Remedial Action Progress Report 8
August 1, 2010 through October 31, 2010
for
Ventron/Velsicol Superfund Site Operable Unit 1
Wood-Ridge and Carlstadt, New Jersey

(USEPA No. NJD980529879)

November 30, 2010

Prepared for:

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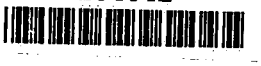
Prepared by:

PARSONS



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Section 1 – Introduction

This progress report for the Ventron/Velsicol Superfund Site Operable Unit One (OU-1), referred to as the Site, located in the Boroughs of Wood-Ridge and Carlstadt, New Jersey summarizes the status of remedial actions being performed as described in the: Undeveloped Area Remedial Action Workplan (RAW), approved by the New Jersey Department of Environmental Protection (NJDEP) on July 3, 2008; and the Developed Area RAW, approved by the United States Environmental Protection Agency (USEPA) on October 6, 2009. This progress report covers the period from August 1, 2010 to October 31, 2010. The progress report is being submitted pursuant to the Administrative Consent Order (ACO) between Morton International, Inc. and the NJDEP, as well as the quarterly progress reporting requirements of both RAW's. This report has been prepared in accordance with New Jersey Administrative Code (N.J.A.C.) Section 7:26E-6.6(b).

The components of the remedial action presented in the Undeveloped Area RAW are as follows:

- Excavation of soils with concentrations of mercury greater than 620 mg/kg in the undeveloped portion of the Site;
- Excavation of the former drain line;
- Excavation of Ventron/Velsicol site-related constituents from the Lin-Mor property;
- Excavation of the 55-foot buffer area;
- Wolf Warehouse air monitoring; and
- Deed notices for Custodial Trust, Prince Packing, and Blum properties.

The components of the remedial action presented in the Developed area RAW are as follows:

- Excavation of soils with concentrations of mercury greater than 620 mg/kg in the developed portion of the Site;
- Improvements to the West Ditch;
- Installation of a vertical hydraulic barrier wall around the Wolf Warehouse;
- Installation of site caps on the developed and undeveloped areas;
- Installation of storm water controls in the developed and undeveloped areas;
- Monitoring of ground water at the Site;
- Contaminant flux monitoring between the Site and the adjoining water ways; and
- Deed notices for the Wolf Warehouse, U.S. Life Warehouse, Norfolk Southern property, Ethel Boulevard, and the EJB property.

The progress report is organized as follows:

- Section 1 – Introduction;
- Section 2 – Remedial Actions Summary;
- Section 3 – Permitting Application Status;
- Section 4 – Sampling Results and Waste Generated; and
- Section 5 – Cost Summary.

Section 2 – Remedial Actions Summary

2.1 Remedial Actions Status

This section summarizes the status of remedial actions at the Site for the reporting period. **Table 1**, attached, provides a summary of remedial actions and the status of each. Remedial actions performed during this period include:

- **Undeveloped Area Activities**
  - Improvements to the West Ditch:
    - Excavation and backfilling activities in the West Ditch were completed.
    - A tide gate was installed in the West Ditch.
  - The remainder of the former drain line under the CWTP access road was excavated, and removed. Drain line sections were pressure washed and crushed on site. Crushed concrete was buried in the former Area E excavation area.
  - CWTP:
    - Operation of the CWTP was discontinued this period. The final day of operation of the CWTP was September 10, 2010. Afterwards, the CWTP components were decontaminated and demobilized from the Site. Contact water generated after September 10, 2010 was stored onsite in frac tanks for disposal.
  - Undeveloped Area Cap:
    - Soil load out pads in the Undeveloped Area were demolished this period after the completion of soil disposal activities in advance of cap installation. Soil load out pad demolition is described below.
    - Temporary overhead utilities were removed from the Undeveloped Area in advance of cap installation.
    - The installation of the Undeveloped Area cap was initiated this period. Subgrade preparation is complete. Approximately 85% of the soil cap was installed.
- **Developed Area Activities**
  - Excavation of soils with concentrations of mercury greater than 620 mg/kg in the developed portion of the Site:
    - Excavation and Backfilling of Soil:
      - Excavation and backfilling of Area D was completed.
    - Perimeter Air Monitoring:
      - Perimeter Air Monitoring Stations (PAMS) were demobilized from the Site on September 10, 2010 in preparation for the installation of the Undeveloped Area cap. Two Temporary Air Monitoring Stations (TAMS) were utilized for air monitoring after the demobilization of the PAMS. The TAMS were operated through the end of this reporting

period. TAMS operation is expected to be discontinued on November 1, 2010.

- Sheetpiling:
  - Extraction of temporary sheetpiling in Area D was completed.
- Soil Disposal:
  - The load out of excavated soils was completed and the soil staging areas were decontaminated and decommissioned. The asphalt pad was broken into pieces and compacted by tracking with a bulldozer. Onsite reuse soil from the 55-foot buffer was placed on top of the pad and compacted by tracking. Contact water generated during demolition was stored onsite in frac tanks.
- Pumping System
  - The stormwater Bypass Pumping System was removed after the completion of excavation and sheetpiling in Area D.
- Utilities
  - Permanent utilities were restored to the Wolf Warehouse.

- Developed Area Cap:
  - The Developed Area cap installation was completed including asphalt and concrete cap sections. The railroad siding at the rear of the Wolf Warehouse was restored.
- Indoor Air Monitoring:
  - Annual indoor air monitoring was performed in the Wolf Warehouse on September 29 and 30, 2010. This monitoring is described in Section 4.
- Drum Removal:
  - Drum removal was completed. Six drums were removed from the Site on August 13, 2010. All drums were removed under existing waste streams. Drum removal is discussed in Section 4.
- Vertical Barrier Wall:
  - Installation of the Vertical Barrier Wall around the Wolf Warehouse was completed.
- Other items:
  - Water stored onsite after the end of CWTP operation was sampled this period for disposal purposes. This sampling is discussed in Section 4.
  - A previously unidentified abandoned pipe was removed along the Ethel Boulevard curb line during this period. The pipe and surrounding soils were sent to Stablex for disposal. More details are provided below in Section 2.2.
  - Excavations and backfilling was performed under the Norfolk Southern Railroad Spur adjacent to Ethel Boulevard. More details are provided below in Section 2.2.

2.2 Deviations and Modifications

Two modifications/deviations were noted this period. The first was the discovery of an unknown abandoned pipe just north of the curb line between Ethel Boulevard and the Norfolk Southern spur. This pipe was discovered during the installation of the new curb in this area. Test pits were excavated to determine the limits of the pipe. The pipe and surrounding soils were excavated and the material sent to Stablex for disposal. The excavation was backfilled with certified clean fill.

Excavations were performed under the Norfolk Southern railroad spur adjacent to Ethel Boulevard to satisfy requirements of the deed notice for the property. The excavations were performed in three zones, named RR-1 to RR-3, and ranged in depth between 2 feet and 4 feet below ground surface. The excavations were completed between October 1 and October 3, 2010. A total of 1,216 tons of soil was excavated and sent to Stablex, Canada for disposal. The excavation was backfilled with certified clean fill and the railroad track was restored.

There were no other deviations from or modifications to the Undeveloped Area RAW or Developed Area RAW this period.

2.3 Remedial Actions to be Performed Next Period

The following remedial actions from the Developed Area RAW are scheduled to be performed during the next reporting period (November 1, 2010 through January 31, 2010):

- Undeveloped Area Cap:
  - Installation of the soil cap will be completed.
  - Planting of wetlands buffer areas and vegetation of soil cap areas will be completed.
- Perimeter Air Monitoring:
  - TAMS operation will be discontinued on November 1, 2010.
- Groundwater monitoring wells and piezometers will be installed in the Undeveloped Area and Developed Area. These will be used for post-closure groundwater quality monitoring, mercury flux monitoring, and monitoring the performance of the Vertical Barrier Wall.
- Disposal of contact water stored onsite will be performed.
- Demobilization of site equipment and infrastructure will be performed.

2.4 Problems or Delays

Several items impacted the construction schedule for the Undeveloped Area cap. Delays occurred in finalization of the subgrade for the Undeveloped Area cap due to the need to maintain the CWTP and soil stockpile pads to handle material from the unknown pipe excavation and Norfolk Southern railroad spur excavation discussed in Section 2.2.

Additionally, weather impacted the placement of the separation layer material. Several rain events resulted in multiple days lost due to weather.

No other problems or delays occurred during this reporting period.

2.5 Schedule of Remedial Activities

A schedule of construction activities is included in **Attachment 1**.

Section 3 – Permit Application Status

No new permit applications were submitted this period. The following permit approvals were received this period:

- Written approval of the Updated Stormwater Pollution Prevention Plan (SWPPP) was received (verbal approval was received last period);
- Written approval was received on September 7, 2010 for the Amended Land Use Regulation Program (LURP) Equivalency Permit and Mitigation Plan for Freshwater Permit No. 4 Equivalency, Coastal General Permit No. 15 Equivalency, Flood Hazard Area Individual Permit Equivalency, and Water Quality Certificate.

Additionally, written notification was sent to the NJDEP LURP on October 8, 2010 to notify the Department of upcoming planting of the wetlands. The permit application status for the project is presented in **Table 2.**

Section 4 – Sampling Results and Waste Generated

4.1 Sampling Results

This section summarizes sampling results obtained during the reporting period. Sampling was performed as part of the following programs:

- Construction Water Treatment Plant (CWTP) compliance testing;
- Analytical testing and/or virgin source certifications for backfill materials;
- Sampling of water stored in onsite frac tanks;
- Indoor air monitoring at the Wolf Warehouse; and
- Soil sampling along the Norfolk Southern Railroad.

Testing of treated water from the CWTP was performed in accordance with permit number SRP PI G000004547 dated February 9, 2009. This testing is required by the NJDEP on a weekly basis when the plant is discharging effluent. Additionally, testing is required before water can be discharged for the first time from a given excavation area. Testing results are included in **Attachment 2**.

Clean fill analysis and/or virgin source certifications for construction materials are attached for Amboy Aggregates clean sand and Maddox topsoil #2. The results of clean fill analysis for these materials are included in **Attachment 3**.

Contact water stored onsite in frac tanks was sampled this period as part of the disposal process. Two samples were taken and a field duplicate. Sampling was performed on October 10, 2010. Samples were sent to Test America, Inc of Pittsburgh, Pennsylvania for analysis. Sample results are including in **Attachment 4**. The disposal of this material is anticipated to occur during the next reporting period.

Indoor air monitoring was performed in the Wolf Warehouse on September 29 and 30, 2010. This monitoring was performed as part of the ongoing indoor air monitoring of the Wolf Warehouse. A memorandum describing the sampling and results is included in **Attachment 5**.

Soil sampling was conducted along the Norfolk Southern railroad alignment on September 1, 2010. A total of 14 soil samples were taken from seven borings, named P-RRSB-1 to P-RRSB-7. Samples were sent to Test America, Inc. of Pittsburgh, Pennsylvania for total mercury analysis. A summary of sample results is included in **Attachment 6**.

4.2 Waste Generated

Mercury-impacted soil, including soil from the Norfolk Southern railroad excavation, was removed from the Site in intermodal containers that were sent to Stablex Canada, Inc. located in Blainville, Quebec. A total of 222 intermodal containers of mercury-impacted soil were sent to Stablex Canada this period, 186 of which were classified as non-hazardous waste in the United

States. The remaining 36 containers were classified as hazardous waste in Canada. A table summarizing mercury-impacted soil sent offsite this period is included as **Table 3**.

Six drums were removed from the Site for disposal this period. Drum disposal was conducted by Veolia Environmental Services of Flanders, New Jersey. All drums removed from the Site this period were disposed of under existing waste streams. Characterization results for these waste streams were submitted previously in Progress Report 1. Drums were taken to Veolia Environmental Services in Flanders, New Jersey for disposal. A summary of drums sent for disposal is included in **Table 4**.

Section 5 – Cost Summary

This section presents a cost summary of the remedial action to date and provides a cost estimate of remaining work. Spending during the period was $6,409,309. To date approximately $36,046,966 has been spent performing remedial action activities related to the Developed and Undeveloped Area RAWs at the Site. It was estimated that approximately $3,208,000 will be required to complete this phase of the work as described in the ACO.

Tables

Table 1 - Remedial Actions between August 1, 2010 and October 31, 2010
Ventron/Velsicol Superfund Site Operable Unit 1
Wood-Ridge and Carlstadt, New Jersey

Remedial Action[1]	Description	Scheduled this Reporting Period?	Status	Comments
Improvements to the West Ditch	Tide Gate Installation	Yes	Completed	Installation of the tide gate in the West Ditch was completed.
Removal of the Former Drain Line	Removal of the former Drain Line	Yes	Completed	Segments of the former drain line located under the CWTP access road were excavated and disposed.
Undeveloped Area Cap	Installation of the Soil Cap in the Undeveloped Area	Yes	Ongoing	Installation of the soil cap in the Undeveloped Area begain this period and is approximately 85% complete. Temporary overhead utililtes were removed from the Undeveloped Area in advance of this work.
Removal of Soil with Mercury Concentration Greater than 620 mg/kg	Construction water treatment plant	Construction of the CWTP was completed previously. Operation of the CWTP was discontinued.		Operation of the CWTP was discontinued this period. The final day of operation of the CWTP was September 10, 2010. Afterwards, the CWTP components was decontaminated and demoblized.
	Excavation in Area D	Yes	Completed	Excavation of Area D was completed.
	Installation of perimeter air monitoring equipment	Construction of the perimeter air monitoring system was completed previously. Air monitoring is ongoing.		The perimeter air monitoring stations (PAMS) were demoblized from the site on September 10, 2010 in advance of the Undeveloped Area cap installation. Two Temporary Air Monitoring Stations (TAMS) were utilized at the site after the PAMS demobilization to monitor air quality. TAMS operation is expected to be discontinued on November 1, 2010.
	Sheet Piling	Yes	Completed	Extraction of temporary sheet piling installation in in Area D was completed.
	Soil Load Out	Yes	Completed	Load out of contaminated soil was completed this period. Soil load out pads were decontaminated and demolished upon completion of soil load out.
	Excavation of the Norfolk Southern railroad	Yes	Completed	Excavation of the Norfolk Southern railroad was performed between October 1 and October 3, 2010.
Developed Area Cap	Installation of the Asphalt/Concrete cap in the Developed Area	Yes	Completed	Installation of the Developed Area cap was completed this period including the installation of reinforced concrete and asphalt cap sections. The railroad siding at Wolf Warehouse was restored.
Indoor Air Monitoring	Indoor air monitoring at the Wolf Warehouse	Yes	-	Indoor air monitoring of the Wolf Warehosue was performed on September 29 and 30, 2010.
Drum Removal	Drum Removal	Yes	Completed	Six drums were removed from the Site on August 13, 2010.
Installation of vertical hydraulic barrier wall around Wolf Warehouse	Vertical Hydraulic Barrier Wall Installaion	Yes	Completed	Installation of vertical barrier wall was completed.

Notes:

1) A number of remedial actions completed during the Undeveloped Area RAW Construction have been removed from this table. Refer to Table 1 of Progress Report 5 for a summary of completed Undeveloped Area RAW Construction actions.

Table 2 - Permit Applications Status as of October 31, 2010
Ventron/Velsicol Superfund Site Operable Unit 1
Wood-Ridge and Carlstadt, New Jersey

Permit	Issuing Authority	Holder	Date Submitted	Status
Land Use Regulation Program (LURP) Coastal General Permit 15 Equivalency	NJDEP	Morton International	19-Dec-08	Comments were issued by the NJDEP and addressed by Parsons. Application was resubmitted on January 29, 2009 and is currently being reviewed by NJDEP. Permit equivalency was issued with conditions by the NJDEP on May 13, 2009.
Amended LURP Equivalency Permit and Mitigation Plan for Freshwater Permit No. 4 Equivalency, Coastal General Permit No. 15 Equivalency, Flood Hazard Area Individual Permit Equivalency, and Water Quality Certificate	NJDEP	Morton International	5-Mar-10	An ammended LURP submission, including a sitewide mitigation plan, was submitted March 5, 2010. Additional information was sent to the NJDEP on July 26, 2010. The NJDEP approved the permit equivalency modification on September 7, 2010.
Zoning Certificate Equivalency	NJMC	Morton International	19-Dec-08	Comments were issued by NJ Meadowlands Commission on March 11, 2009 and addressed by Parsons. Permit was approved by the NJMC on July 31, 2009.
Zoning Certificate Equivalency	NJMC	Morton International	5-Feb-10	An updated NJMC zoning certificate was submitted February 5, 2010. A conditional approval was granted by the NJMC dated March 25, 2010. A response to comments was sent to the NJMC on April 13, 2010.
Discharge to Groundwater Equivalency Permit	NJDEP	Morton International	19-Dec-08	Permit was granted by NJDEP on February 9, 2009.
Construction Permit	Wood-Ridge	Bigler Associates	26-Jan-09	Permit was granted by Wood-Ridge on January 26, 2009.
Building Permit	Wood-Ridge	Bigler Associates	26-Jan-09	Permit was granted by Wood-Ridge on January 26, 2009.
Electrical permit	Wood-Ridge	Bigler Associates	26-Jan-09	Permit was granted by Wood-Ridge on January 26, 2009.
Electrical permit (Wolf Warehouse)	Wood-Ridge	Parsons	15-Apr-10	Permit was granted by Wood-Ridge on April 15, 2010 to perform temporary electrical service relocation at the Wolf Warehouse.
Stormwater Pollution Prevention Plan	Bergen County	Parsons	6-Feb-09	Originally approved November 30, 2007. Revised permit submitted in January 2009 and approval received on February 26, 2009. Revisions to the 55-foot buffer decreasing the ammount of rip-rap were approved by Bergen County on October 5, 2009.
Stormwater Pollution Prevention Plan (SWPPP)	Bergen County	Parsons	20-Feb-10	Updated SWPPP drawings were submitted February 20, 2010. Additional drawings and calculations were sent to Bergen County on May 7, 2010 in response to comments. Updated drawings were also sent to Bergen County on July 2 and July 14, 2010 in response to further comments. The SWPPP was approved by Bergen County on September September 7, 2010.
Temporary Trailer Permit	Wood-Ridge	Parsons	-	Permit was approved by Wood-Ridge on November 11, 2007 and trailers are on site.
Electrical permit	Wood-Ridge	Parsons	-	Permit was approved by Wood-Ridge on November 13, 2007.
Notice of Proposed Construction of Alteration Form 7460-1	Federal Aviation Administration	Morton International	13-Jan-09	Determination permitting activity was issued by FAA on April 23, 2009.

Table 3 - Mercury Impacted Soil Disposed of between August 1, 2010 and October 31, 2010
Ventron/Velsicol Superfund Site Operable Unit 1
Wood-Ridge and Carlstadt, New Jersey

Waste Stream	Identification/ Container Number	Quantity (tons)	Disposal Facility[2]	Date Shipped from United States	Documentation[3]		
					U.S. Bill of Lading	U.S. Manifest	Canada
Mercury Impacted Soil	EPIU222362	21.86	Stablex Canada	2010-08-02		007496272JJK	9437972-4
Mercury Impacted Soil	EPIU222582	21.45	Stablex Canada	2010-08-02		007496273JJK	9437973-2
Mercury Impacted Soil	EPIU222561	22.68	Stablex Canada	2010-08-02		007496274JJK	9437974-0
Mercury Impacted Soil	EPIU222507	21.33	Stablex Canada	2010-08-02		007496275JJK	9437975-7
Mercury Impacted Soil	EPIU222006	21.22	Stablex Canada	2010-08-02		007496276JJK	9437976-5
Mercury Impacted Soil	EPIU223005	23.58	Stablex Canada	2010-08-02		007496277JJK	9437977-3
Mercury Impacted Soil	EPIU222468	23.73	Stablex Canada	2010-08-02		007496278JJK	9437978-1
Mercury Impacted Soil	EPIU222322	24.60	Stablex Canada	2010-08-02		007496279JJK	9437979-9
Mercury Impacted Soil	EPIU222466	24.57	Stablex Canada	2010-08-02		007496280JJK	9437980-7
Mercury Impacted Soil	EPIU222551	26.10	Stablex Canada	2010-08-02		007496281JJK	9437981-5
Mercury Impacted Soil	EPIU222167	24.26	Stablex Canada	2010-08-02		007496282JJK	9437982-3
Mercury Impacted Soil	EPIU222157	22.83	Stablex Canada	2010-08-02		007496283JJK	9437983-1
Mercury Impacted Soil	EPIU223095	23.00	Stablex Canada	2010-08-02		007496284JJK	9437984-9
Mercury Impacted Soil	EPIU222195	22.85	Stablex Canada	2010-08-02		007496285JJK	9437985-6
Mercury Impacted Soil	EPIU222391	21.02	Stablex Canada	2010-08-02		007496286JJK	9437986-4
Mercury Impacted Soil	EPIU222348	25.55	Stablex Canada	2010-08-02		007496287JJK	9437987-2
Mercury Impacted Soil	EPIU222328	25.14	Stablex Canada	2010-08-02		007496288JJK	9437988-0
Mercury Impacted Soil	EPIU222494	26.08	Stablex Canada	2010-08-02		007496289JJK	9437989-8
Mercury Impacted Soil	EPIU223350	25.47	Stablex Canada	2010-08-03	005892		9436092-2
Mercury Impacted Soil	EPIU223399	24.24	Stablex Canada	2010-08-03	005893		9436093-0
Mercury Impacted Soil	EPIU223123	25.57	Stablex Canada	2010-08-03	005894		9436094-8
Mercury Impacted Soil	EPIU222123	24.88	Stablex Canada	2010-08-03	005895		9436095-5
Mercury Impacted Soil	EPIU223149	25.52	Stablex Canada	2010-08-03	005896		9436096-3
Mercury Impacted Soil	EPIU223246	24.63	Stablex Canada	2010-08-03	005897		9436097-1
Mercury Impacted Soil	EPIU223150	24.71	Stablex Canada	2010-08-03	005898		9436098-9
Mercury Impacted Soil	EPIU223023	22.58	Stablex Canada	2010-08-03	005899		9436099-7
Mercury Impacted Soil	EPIU223437	24.87	Stablex Canada	2010-08-03	005900		9436100-3
Mercury Impacted Soil	EPIU223094	25.43	Stablex Canada	2010-08-03	005902		9436102-9
Mercury Impacted Soil	EPIU222159	23.60	Stablex Canada	2010-08-03	005903		9436103-7
Mercury Impacted Soil	EPIU222447	23.94	Stablex Canada	2010-08-03	005904		9436104-5
Mercury Impacted Soil	EPIU223160	26.96	Stablex Canada	2010-08-03	005905		9436105-2
Mercury Impacted Soil	EPIU223315	24.11	Stablex Canada	2010-08-03	005906		9436106-0
Mercury Impacted Soil	EPIU223207	25.67	Stablex Canada	2010-08-03	005907		9436107-8
Mercury Impacted Soil	EPIU222575	22.59	Stablex Canada	2010-08-03	005908		9436108-6
Mercury Impacted Soil	EPIU222313	26.67	Stablex Canada	2010-08-04	005909		9436109-4
Mercury Impacted Soil	EPIU223146	24.30	Stablex Canada	2010-08-04	005910		9436110-2
Mercury Impacted Soil	EPIU223333	24.22	Stablex Canada	2010-08-04	005911		9436111-0
Mercury Impacted Soil	EPIU222269	25.46	Stablex Canada	2010-08-04	005912		9436112-8
Mercury Impacted Soil	EPIU223088	23.14	Stablex Canada	2010-08-04	005913		9436113-6
Mercury Impacted Soil	EPIU222522	25.86	Stablex Canada	2010-08-04	005914		9436114-4
Mercury Impacted Soil	EPIU223048	24.49	Stablex Canada	2010-08-04	005915		9436115-1
Mercury Impacted Soil	EPIU223085	25.59	Stablex Canada	2010-08-04	005916		9436116-9
Mercury Impacted Soil	EPIU223316	27.28	Stablex Canada	2010-08-04	005917		9436117-7
Mercury Impacted Soil	EPIU223454	24.15	Stablex Canada	2010-08-04	005918		9436118-5
Mercury Impacted Soil	EPIU223460	24.00	Stablex Canada	2010-08-04	005919		9436119-3
Mercury Impacted Soil	EPIU223359	22.25	Stablex Canada	2010-08-04	005920		9436120-1
Mercury Impacted Soil	EPIU223416	23.93	Stablex Canada	2010-08-05	005921		9436121-9
Mercury Impacted Soil	EPIU222054	22.66	Stablex Canada	2010-08-05	005922		9436122-7
Mercury Impacted Soil	EPIU223297	23.97	Stablex Canada	2010-08-05	005923		9436123-5
Mercury Impacted Soil	EPIU223461	22.01	Stablex Canada	2010-08-05	005924		9436124-3
Mercury Impacted Soil	EPIU222378	22.73	Stablex Canada	2010-08-05	005925		9436125-0
Mercury Impacted Soil	EPIU223134	23.71	Stablex Canada	2010-08-05	005926		9436126-8
Mercury Impacted Soil	EPIU223164	23.31	Stablex Canada	2010-08-05	005927		9436127-6
Mercury Impacted Soil	EPIU222566	23.21	Stablex Canada	2010-08-05	005928		9436128-4
Mercury Impacted Soil	EPIU223076	22.60	Stablex Canada	2010-08-05	005929		9436129-2
Mercury Impacted Soil	EPIU222394	23.11	Stablex Canada	2010-08-05	005930		9436130-0
Mercury Impacted Soil	EPIU222226	22.31	Stablex Canada	2010-08-05	005931		9436131-8
Mercury Impacted Soil	EPIU222162	22.84	Stablex Canada	2010-08-05	005932		9436132-6
Mercury Impacted Soil	EPIU223257	23.32	Stablex Canada	2010-08-09	005933		9436133-4
Mercury Impacted Soil	EPIU223228	24.15	Stablex Canada	2010-08-09	005934		9436134-2

Table 3 - Mercury Impacted Soil Disposed of between August 1, 2010 and October 31, 2010
Ventron/Velsicol Superfund Site Operable Unit 1
Wood-Ridge and Carlstadt, New Jersey

Waste Stream	Identification/ Container Number	Quantity (tons)	Disposal Facility[2]	Date Shipped from United States	Documentation[3]		
					U.S. Bill of Lading	U.S. Manifest	Canada
Mercury Impacted Soil	EPIU222340	24.40	Stablex Canada	2010-08-09	005935		9436135-9
Mercury Impacted Soil	EPIU223269	24.21	Stablex Canada	2010-08-09	005936		9436136-7
Mercury Impacted Soil	EPIU223012	23.67	Stablex Canada	2010-08-09	005937		9436137-5
Mercury Impacted Soil	EPIU223218	23.31	Stablex Canada	2010-08-09	005938		9436138-3
Mercury Impacted Soil	EPIU223124	23.72	Stablex Canada	2010-08-09	005939		9436139-1
Mercury Impacted Soil	EPIU222009	22.66	Stablex Canada	2010-08-09	005940		9436140-9
Mercury Impacted Soil	EPIU222488	23.24	Stablex Canada	2010-08-09	005941		9436141-7
Mercury Impacted Soil	EPIU222589	22.27	Stablex Canada	2010-08-09	005942		9436142-5
Mercury Impacted Soil	EPIU222077	24.01	Stablex Canada	2010-08-09	005943		9436143-3
Mercury Impacted Soil	EPIU222281	22.66	Stablex Canada	2010-08-09	005944		9436144-1
Mercury Impacted Soil	EPIU222002	23.34	Stablex Canada	2010-08-09	005415		9436145-8
Mercury Impacted Soil	EPIU222221	22.27	Stablex Canada	2010-08-09	005416		9436146-6
Mercury Impacted Soil	EPIU222594	24.01	Stablex Canada	2010-08-09	005417		9436147-4
Mercury Impacted Soil	EPIU223408	24.15	Stablex Canada	2010-08-09	005418		9436148-2
Mercury Impacted Soil	EPIU222496	24.08	Stablex Canada	2010-08-10	005419		9436149-0
Mercury Impacted Soil	EPIU222353	24.03	Stablex Canada	2010-08-10	005420		9436150-8
Mercury Impacted Soil	EPIU222214	22.91	Stablex Canada	2010-08-10	005421		9436151-6
Mercury Impacted Soil	EPIU222136	22.28	Stablex Canada	2010-08-10	005422		9436152-4
Mercury Impacted Soil	EPIU223153	23.72	Stablex Canada	2010-08-10	005423		9436153-2
Mercury Impacted Soil	EPIU222445	24.28	Stablex Canada	2010-08-10	005424		9436154-0
Mercury Impacted Soil	EPIU222337	24.88	Stablex Canada	2010-08-10	005425		9436155-7
Mercury Impacted Soil	EPIU222377	23.00	Stablex Canada	2010-08-10	005426		9436156-5
Mercury Impacted Soil	EPIU222121	23.56	Stablex Canada	2010-08-10	005427		9436157-3
Mercury Impacted Soil	EPIU222127	24.91	Stablex Canada	2010-08-10	005428		9436158-1
Mercury Impacted Soil	EPIU222338	23.73	Stablex Canada	2010-08-10	005429		9436159-9
Mercury Impacted Soil	EPIU222171	26.10	Stablex Canada	2010-08-10	005430		9436160-7
Mercury Impacted Soil	EPIU223069	20.62	Stablex Canada	2010-08-10	005431		9436161-5
Mercury Impacted Soil	EPIU222367	20.94	Stablex Canada	2010-08-10	005432		9436162-3
Mercury Impacted Soil	EPIU222333	23.62	Stablex Canada	2010-08-10	005433		9436163-1
Mercury Impacted Soil	EPIU222096	25.70	Stablex Canada	2010-08-10	005434		9436164-9
Mercury Impacted Soil	EPIU223263	25.92	Stablex Canada	2010-08-11	005435		9436165-6
Mercury Impacted Soil	EPIU223495	23.87	Stablex Canada	2010-08-11	005436		9436166-4
Mercury Impacted Soil	EPIU222192	25.26	Stablex Canada	2010-08-11	005487		9436167-2
Mercury Impacted Soil	EPIU222142	23.85	Stablex Canada	2010-08-11	005488		9436925-3
Mercury Impacted Soil	EPIU223133	22.46	Stablex Canada	2010-08-11	005489		9436926-1
Mercury Impacted Soil	EPIU223143	22.85	Stablex Canada	2010-08-11	005490		9436927-9
Mercury Impacted Soil	EPIU223195	22.42	Stablex Canada	2010-08-11	005491		9436928-7
Mercury Impacted Soil	EPIU223487	27.93	Stablex Canada	2010-08-11	005949		9436930-3
Mercury Impacted Soil	EPIU222042	21.45	Stablex Canada	2010-08-13	005950		9436931-1
Mercury Impacted Soil	EPIU222179	25.20	Stablex Canada	2010-08-13	005951		9436932-9
Mercury Impacted Soil	EPIU222244	23.02	Stablex Canada	2010-08-13	005952		9436933-7
Mercury Impacted Soil	EPIU222218	22.67	Stablex Canada	2010-08-13	005954		9436934-5
Mercury Impacted Soil	EPIU223488	23.53	Stablex Canada	2010-08-19	005946		9436929-5
Mercury Impacted Soil	EPIU223239	26.37	Stablex Canada	2010-08-19	005955		9436935-2
Mercury Impacted Soil	EPIU223341	23.86	Stablex Canada	2010-08-19	005962		9436936-0
Mercury Impacted Soil	EPIU222591	24.98	Stablex Canada	2010-08-19	005963		9436937-8
Mercury Impacted Soil	EPIU223104	23.08	Stablex Canada	2010-08-19	005968		9436938-6
Mercury Impacted Soil	EPIU222403	25.24	Stablex Canada	2010-08-19	005969		9436939-4
Mercury Impacted Soil	EPIU223379	24.63	Stablex Canada	2010-08-19	005970		9436940-2
Mercury Impacted Soil	EPIU223066	24.40	Stablex Canada	2010-08-19	005971		9436941-0
Mercury Impacted Soil	EPIU223270	23.63	Stablex Canada	2010-08-19	005972		9436942-8
Mercury Impacted Soil	EPIU222375	27.05	Stablex Canada	2010-08-19	005973		9436943-6
Mercury Impacted Soil	EPIU222217	24.02	Stablex Canada	2010-08-19	005974		9436944-4
Mercury Impacted Soil	EPIU223259	23.48	Stablex Canada	2010-08-19	005975		9436945-1
Mercury Impacted Soil	EPIU222151	24.63	Stablex Canada	2010-08-19	005976		9436946-9
Mercury Impacted Soil	EPIU222295	18.93	Stablex Canada	2010-08-19	005977		9436947-7
Mercury Impacted Soil	EPIU223375	26.73	Stablex Canada	2010-08-19	005978		9436948-5
Mercury Impacted Soil	EPIU222585	24.22	Stablex Canada	2010-08-19	005979		9436949-3
Mercury Impacted Soil	EPIU223321	23.56	Stablex Canada	2010-08-20	005980		9436950-1
Mercury Impacted Soil	EPIU222100	23.54	Stablex Canada	2010-08-20	005981		9436951-9

Table 3 - Mercury Impacted Soil Disposed of between August 1, 2010 and October 31, 2010
Ventron/Velsicol Superfund Site Operable Unit 1
Wood-Ridge and Carlstadt, New Jersey

Waste Stream	Identification/ Container Number	Quantity (tons)	Disposal Facility[2]	Date Shipped from United States	Documentation[3]		
					U.S. Bill of Lading	U.S. Manifest	Canada
Mercury Impacted Soil	EPIU222352	23.93	Stablex Canada	2010-08-25	005982		9436952-7
Mercury Impacted Soil	EPIU223308	22.45	Stablex Canada	2010-08-25	005983		9436953-5
Mercury Impacted Soil	EPIU223479	23.74	Stablex Canada	2010-08-25	005984		9436954-3
Mercury Impacted Soil	EPIU223221	24.13	Stablex Canada	2010-08-25	005985		9436955-0
Mercury Impacted Soil	EPIU223345	22.45	Stablex Canada	2010-08-25	005986		9436956-8
Mercury Impacted Soil	EPIU222219	23.74	Stablex Canada	2010-08-25	005788		9436957-6
Mercury Impacted Soil	EPIU222152	26.29	Stablex Canada	2010-08-25	005789		9437936-9
Mercury Impacted Soil	EPIU223029	24.76	Stablex Canada	2010-08-25	005790		9437937-7
Mercury Impacted Soil	EPIU222064	25.79	Stablex Canada	2010-08-26	005791		9437938-5
Mercury Impacted Soil	EPIU222550	24.67	Stablex Canada	2010-08-26	005792		9437939-3
Mercury Impacted Soil	EPIU223096	22.79	Stablex Canada	2010-08-26	005793		9437940-1
Mercury Impacted Soil	EPIU223456	25.83	Stablex Canada	2010-08-26	005794		9437941-9
Mercury Impacted Soil	EPIU223053	22.30	Stablex Canada	2010-08-26	005795		9437942-7
Mercury Impacted Soil	EPIU222516	21.05	Stablex Canada	2010-08-26	005796		9437943-5
Mercury Impacted Soil	EPIU223130	21.18	Stablex Canada	2010-08-26	005797		9437944-3
Mercury Impacted Soil	EPIU223046	24.36	Stablex Canada	2010-08-26	005798		9437945-0
Mercury Impacted Soil	EPIU223199	21.11	Stablex Canada	2010-08-26	005799		9437946-8
Mercury Impacted Soil	EPIU222343	21.10	Stablex Canada	2010-08-26	150106		9437947-6
Mercury Impacted Soil	EPIU222241	25.11	Stablex Canada	2010-09-01		007496290JJK	9437990-6
Mercury Impacted Soil	EPIU222184	26.32	Stablex Canada	2010-09-01		007496291JJK	9437991-4
Mercury Impacted Soil	EPIU222459	26.48	Stablex Canada	2010-09-01		007496292JJK	9437992-2
Mercury Impacted Soil	EPIU222451	24.85	Stablex Canada	2010-09-01		007496293JJK	9437993-0
Mercury Impacted Soil	EPIU222095	24.07	Stablex Canada	2010-09-01		007496294JJK	9437994-8
Mercury Impacted Soil	EPIU222164	25.25	Stablex Canada	2010-09-01		007496295JJK	9437995-5
Mercury Impacted Soil	EPIU222147	25.28	Stablex Canada	2010-09-01		007496296JJK	9436815-6
Mercury Impacted Soil	EPIU222116	24.68	Stablex Canada	2010-09-01		007496297JJK	9436816-4
Mercury Impacted Soil	EPIU222135	28.76	Stablex Canada	2010-09-01		007496298JJK	9436817-2
Mercury Impacted Soil	EPIU222187	26.00	Stablex Canada	2010-09-01		007496299JJK	9436818-0
Mercury Impacted Soil	EPIU222498	24.77	Stablex Canada	2010-09-01		007496300JJK	9436819-8
Mercury Impacted Soil	EPIU222325	23.51	Stablex Canada	2010-09-01		007496301JJK	9436820-6
Mercury Impacted Soil	EPIU223282	21.81	Stablex Canada	2010-09-02	150107		9437948-4
Mercury Impacted Soil	EPIU222450	25.35	Stablex Canada	2010-09-02	150108		9437949-2
Mercury Impacted Soil	EPIU222169	24.95	Stablex Canada	2010-09-02	150109		9436750-5
Mercury Impacted Soil	EPIU223075	23.95	Stablex Canada	2010-09-02	150110		9436751-3
Mercury Impacted Soil	EPIU223247	25.21	Stablex Canada	2010-09-02	150111		9436752-1
Mercury Impacted Soil	EPIU223338	18.63	Stablex Canada	2010-09-02	150112		9436753-9
Mercury Impacted Soil	EPIU222282	23.69	Stablex Canada	2010-09-02		007496302JJK	9437950-0
Mercury Impacted Soil	EPIU222286	22.25	Stablex Canada	2010-09-02		007496303JJK	9437951-8
Mercury Impacted Soil	EPIU223470	23.13	Stablex Canada	2010-09-02		007496196JJK	9437952-6
Mercury Impacted Soil	EPIU222265	22.99	Stablex Canada	2010-09-02		007496197JJK	9437953-4
Mercury Impacted Soil	EPIU222321	15.56	Stablex Canada	2010-09-02		007496198JJK	9437954-2
Mercury Impacted Soil	EPIU222014	11.73	Stablex Canada	2010-09-02		007496199JJK	9437955-9
Mercury Impacted Soil	EPIU222563	19.82	Stablex Canada	2010-10-01	150113		9436754-7
Mercury Impacted Soil	EPIU223261	20.65	Stablex Canada	2010-10-01	150114		9436755-4
Mercury Impacted Soil	EPIU222392	20.84	Stablex Canada	2010-10-01	150115		9436756-2
Mercury Impacted Soil	EPIU222347	20.08	Stablex Canada	2010-10-01	150116		9436757-0
Mercury Impacted Soil	EPIU222511	25.69	Stablex Canada	2010-10-01	150117		9436758-8
Mercury Impacted Soil	EPIU223112	23.72	Stablex Canada	2010-10-01	150118		9436759-6
Mercury Impacted Soil	EPIU222359	25.01	Stablex Canada	2010-10-01	150119		9436760-4
Mercury Impacted Soil	EPIU222106	23.35	Stablex Canada	2010-10-01	150120		9436761-2
Mercury Impacted Soil	EPIU222141	25.94	Stablex Canada	2010-10-01	150121		9436762-0
Mercury Impacted Soil	EPIU222456	23.99	Stablex Canada	2010-10-01	150122		9436763-8
Mercury Impacted Soil	EPIU222092	23.72	Stablex Canada	2010-10-01	150123		9436764-6
Mercury Impacted Soil	EPIU222041	22.41	Stablex Canada	2010-10-01	150124		9436765-3
Mercury Impacted Soil	EPIU222039	22.90	Stablex Canada	2010-10-01	150125		9436766-1
Mercury Impacted Soil	EPIU222155	23.22	Stablex Canada	2010-10-01	150126		9436767-9
Mercury Impacted Soil	EPIU223408	24.33	Stablex Canada	2010-10-01	150127		9436768-7
Mercury Impacted Soil	EPIU223049	22.67	Stablex Canada	2010-10-02	150128		9436827-1
Mercury Impacted Soil	EPIU222048	25.49	Stablex Canada	2010-10-02	150129		9436828-9
Mercury Impacted Soil	EPIU222238	27.03	Stablex Canada	2010-10-02	150130		9436829-7

Table 3 - Mercury Impacted Soil Disposed of between August 1, 2010 and October 31, 2010
Ventron/Velsicol Superfund Site Operable Unit 1
Wood-Ridge and Carlstadt, New Jersey

Waste Stream	Identification/ Container Number	Quantity (tons)[1]	Disposal Facility[2]	Date Shipped from United States	Documentation[3]		
					U.S. Bill of Lading	U.S. Manifest	Canada
Mercury Impacted Soil	EPIU222071	26.57	Stablex Canada	2010-10-02	150131		9436830-5
Mercury Impacted Soil	EPIU222139	26.81	Stablex Canada	2010-10-02	150132		9436831-3
Mercury Impacted Soil	EPIU222086	25.25	Stablex Canada	2010-10-02	150133		9436832-1
Mercury Impacted Soil	EPIU222411	25.65	Stablex Canada	2010-10-02	150134		9436833-9
Mercury Impacted Soil	EPIU222214	27.35	Stablex Canada	2010-10-02	150135		9436001-3
Mercury Impacted Soil	EPIU222144	29.27	Stablex Canada	2010-10-02	150136		9436002-1
Mercury Impacted Soil	EPIU222430	23.46	Stablex Canada	2010-10-02	150137		9436003-9
Mercury Impacted Soil	EPIU222345	25.55	Stablex Canada	2010-10-02	150138		9436004-7
Mercury Impacted Soil	EPIU222101	22.04	Stablex Canada	2010-10-02	150139		9436005-4
Mercury Impacted Soil	EPIU222246	23.82	Stablex Canada	2010-10-02	150140		9436006-2
Mercury Impacted Soil	EPIU223099	13.77	Stablex Canada	2010-10-02	150141		9436007-0
Mercury Impacted Soil	EPIU222356	22.50	Stablex Canada	2010-10-02	150142		9436008-8
Mercury Impacted Soil	EPIU222495	25.74	Stablex Canada	2010-10-02	150143		9436009-6
Mercury Impacted Soil	EPIU222365	22.89	Stablex Canada	2010-10-02	150144		9436010-4
Mercury Impacted Soil	EPIU222258	25.49	Stablex Canada	2010-10-02	150145		9436011-2
Mercury Impacted Soil	EPIU223314	23.20	Stablex Canada	2010-10-02	150146		9436012-0
Mercury Impacted Soil	EPIU222324	26.01	Stablex Canada	2010-10-02	150147		9436013-8
Mercury Impacted Soil	EPIU223245	25.96	Stablex Canada	2010-10-02	150148		9436014-6
Mercury Impacted Soil	EPIU222571	24.28	Stablex Canada	2010-10-02	150149		9436015-3
Mercury Impacted Soil	EPIU222559	23.01	Stablex Canada	2010-10-02	150150		9436016-1
Mercury Impacted Soil	EPIU222185	21.96	Stablex Canada	2010-10-04	150151		9436769-5
Mercury Impacted Soil	EPIU223081	23.10	Stablex Canada	2010-10-04	150152		9436017-9
Mercury Impacted Soil	EPIU222370	20.94	Stablex Canada	2010-10-04	150153		9436018-7
Mercury Impacted Soil	EPIU222595	25.36	Stablex Canada	2010-10-04	150154		9436019-5
Mercury Impacted Soil	EPIU222529	24.25	Stablex Canada	2010-10-04	150155		9436020-3
Mercury Impacted Soil	EPIU223430	21.75	Stablex Canada	2010-10-04	150156		9436021-1
Mercury Impacted Soil	EPIU222422	24.36	Stablex Canada	2010-10-04	150157		9436022-9
Mercury Impacted Soil	EPIU222308	24.76	Stablex Canada	2010-10-04	150158		9436023-7
Mercury Impacted Soil	EPIU223309	22.96	Stablex Canada	2010-10-04	150159		9436024-5
Mercury Impacted Soil	EPIU222200	18.12	Stablex Canada	2010-10-04	150160		9436025-2
Mercury Impacted Soil	EPIU222390	18.66	Stablex Canada	2010-10-04	150161		9436026-0
Mercury Impacted Soil	EPIU222487	18.58	Stablex Canada	2010-10-04	150162		9436027-8
Mercury Impacted Soil	EPIU223340	20.36	Stablex Canada	2010-10-05	150163		9436028-6
Mercury Impacted Soil	EPIU222257	21.07	Stablex Canada	2010-10-05	150164		9436029-4
Mercury Impacted Soil	EPIU222096	23.13	Stablex Canada	2010-10-05	150165		9436030-2
Mercury Impacted Soil	EPIU222337	24.30	Stablex Canada	2010-10-05	150166		9436031-0
Mercury Impacted Soil	EPIU222020	21.94	Stablex Canada	2010-10-05	150167		9436032-8
Mercury Impacted Soil	EPIU222393	23.16	Stablex Canada	2010-10-05	150168		9436033-6
Mercury Impacted Soil	EPIU222180	16.81	Stablex Canada	2010-10-05	150169		9436034-4
Mercury Impacted Soil	EPIU223153	14.76	Stablex Canada	2010-10-05	150170		9436035-1
Mercury Impacted Soil	EPIU222274	17.63	Stablex Canada	2010-10-05	150171		9436036-9
Mercury Impacted Soil	EPIU222193	12.72	Stablex Canada	2010-10-07	150172		9436037-7

Notes:

[1]Containers are loaded to approximately 23 tons at the site. Weights shown are taken from Stablex scales upon receipt of the soil in Canada. Weights not shown indicate containers have not been received by Stablex.

[2]Stablex Canada, Inc. of Blainville, Quebec

[3]Bills of Lading are being used for non-hazardous shipments in the United States (U.S.). Manifests are being used for hazardous shipments in the U.S. and all shipments in Canada.

Table 4 - Drums Disposed of between August 1, 2010 and October 31, 2010
Ventron/Velsicol Superfund Site Operable Unit 1
Wood-Ridge and Carlstadt, New Jersey

Parsons Drum ID	Waste Stream Code[1]	Date Overpacked	Date Sent for Disposal	Destination Facility
P-373	DC-7	2008	8/18/2010	Flanders NJ
P-374	DC-7	2009	8/18/2010	Flanders NJ
P-375	DC-9	2009	8/18/2010	Flanders NJ
P-376	DC-6	2009	8/18/2010	Flanders NJ
P-377	DC-6	2009	8/18/2010	Flanders NJ
P-378	DC-6	07/01/10	8/18/2010	Flanders NJ

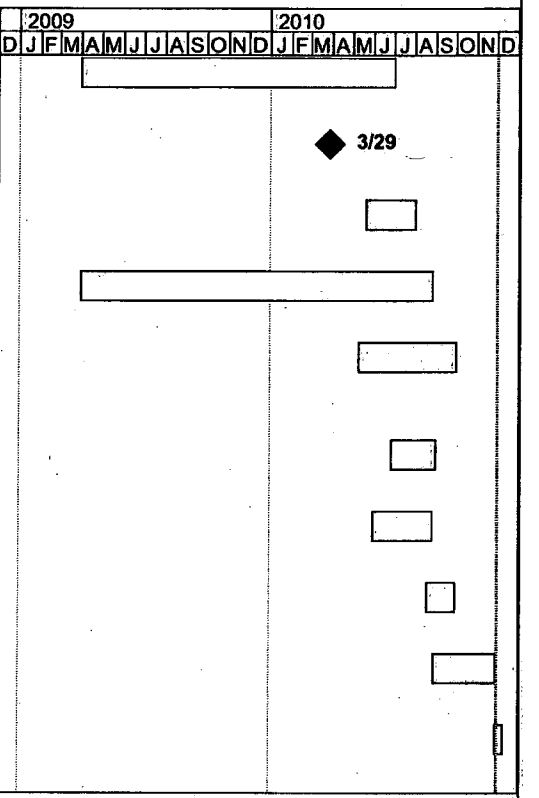
Notes:
1) Description of Waste Streams (Analytical Sample ID representative of Waste Stream)

DC-1 Epoxy, lighter brown, soft putty material w/ hard brown material. (20081229VVDC-1)
DC-2 Phenolic, brownish purple, sweet smell (20081229VVDC-2)
DC-3 Paint; looks like dried drywall compound (20081229VVDC-3)
DC-4 Contains dirt & trash (20081229VVDC-4)
DC-5 White crystals (20081229VVDC-5)
DC-6 Epoxy; white, waxy looking, very hard. (20081229VVDC-6)
DC-7 Resin; Brownish, solid resin (20081229VVDC-7)
DC-8 white/gray, grainy material (20081229VVDC-8)
TAR Drums containing tar-like contents (TAR-1)

Attachment 1 – Schedule of Remedial Construction Activities

Schedule of Remedial Construction Activities
Ventron/Velsicol Superfund Site Operable Unit 1
Wood-Ridge and Carlstardt, New Jersey

ID	Task Name	Duration	Start	Finish	Predecesso	Resource Names
1	Undeveloped Area Construction	327 days	Wed 4/1/09	Thu 7/1/10		
2	Developed Area Mobilization	12 days	Mon 3/29/10	Tue 4/13/10		
3	Area D Excavation	53 days	Fri 5/21/10	Mon 8/2/10		
4	Soil Disposal and Stockpile Management	369 days	Wed 4/1/09	Fri 8/27/10		
5	55-foot Buffer Excavation/Restoration (West Ditch)	106 days	Mon 5/10/10	Fri 10/1/10		
6	West Ditch Excavation	49 days	Mon 6/28/10	Wed 9/1/10		
7	Barrier Wall Installation	65 days	Tue 6/1/10	Fri 8/27/10		
8	Developed Area Cap	30 days	Fri 8/20/10	Thu 9/30/10		
9	Undeveloped Area Cap	68 days	Mon 8/30/10	Mon 11/29/10		
10	Site Restoration/Demobilization	10 days	Mon 11/29/10	Fri 12/10/10		



Task
Split
Progress
Milestone
Summary
Project Summary
External Tasks
External Milestone
Deadline

Updated: 11/29/2010

Attachment 2 – Construction Water Treatment Plant Sampling Results

Bigler Associates, Inc.

August 9, 2010

Chris Greene, P.E., Project Manager
PARSONS
150 Federal Street, 4th Floor
Boston, MA 02110

Re: Ventron Velsicol Superfund Site – Construction Water Treatment Plant
CWTP Effluent Data – Effluent Re-treated

Dear Chris:

Attached please find the laboratory data from Test America for Construction Water Treatment Plant (CWTP) re-treated effluent samples collected on August 5, 2010. The CWTP was operated in recycle mode (no treated effluent was discharged) for the entire week, re-treating effluent water which was held up due to non compliance for mercury for samples collected during the week of July 26, 2010.

Effluent Results

Effluent results are presented below and copies of the preliminary laboratory report and chain of custody form are attached. Effluent test results indicate compliance with the discharge permit-by-rule effluent limits for mercury.

Summary of CWTP Effluent Data for Week Ending August 6, 2010
Re-treated Effluent Water

Parameter	Aug 5, 2010 14:30 Result, ug/l	Weekly Average ug/l	NJDEP Permit Limit ug/l
Mercury	<0.2	<0.2	2

All Testing Performed by Test America

Please contact me with any questions.

Sincerely,

BIGLER ASSOCIATES, INC.

Daniel Alesandro

C: T. Schoenberg, D. Bigler

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-16009-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	PLANT Eff.	
Lab Sample No.	PQLs and	PQLs and	460-16009-1	
Sampling Date	GW Quality	GW Quality	8/5/2010 2:30:00 PM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor				
Units	ug/l	ug/l	ug/L	
METALS				
Mercury	2	2	0.20	U

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 8/9/2010 7:38:05 AM

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

777 New Durham Road
Edison, New Jersey 08817
Phone (732) 549-3900 Fax (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

Name (for report and invoice): [illegible]	Samplers Name (Printed): [illegible]	Site/Project Identification: [illegible]
Company: [illegible]	P.O. #:	State (Location of site): NJ NY Other:
		Regulatory Program:
Address: [illegible]	Analysis Turnaround Time	LAB USE ONLY Project No:
City: [illegible] State:		Job No:
Phone: [illegible] Fax:		Sample Numbers

Sample Identification	Date	Time	Matrix	No. of Cont.
[illegible]	[illegible]			

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH, 6 = Other; Soil: Water:

Special Instructions: Water Metals Filtered (Yes/No)?

Relinquished by	Company	Date / Time	Received by	Company
1) [illegible]	[illegible]	[illegible]	1) [illegible]	[illegible]
2)			2)	
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132), Massachusetts (M-NJ312), North Carolina (No. 578)

Bigler Associates, Inc.

August 16, 2010

Chris Greene, P.E., Project Manager
PARSONS
150 Federal Street, 4th Floor
Boston, MA 02110

Re: Ventron Velsicol Superfund Site – Construction Water Treatment Plant
CWTP Effluent Data – Weekly Samples; Area D Water Treated

Dear Chris:

Attached please find the laboratory data from Test America for Construction Water Treatment Plant (CWTP) effluent samples collected on August 9, 2010. The CWTP was operated treating approximately 99,235 gallons of water from Area D from Monday, August 9th through Friday, August 13th.

Effluent Results

Effluent results are presented below and copies of the preliminary laboratory report and chain of custody form are attached. Effluent test results indicate compliance with all of the discharge permit-by-rule effluent limits.

Summary of CWTP Effluent Data for Week Ending August 13, 2010
Water from Excavation Area D

Parameter	August 9, 2010 11:30 Result, ug/l	Weekly Average ug/l	NJDEP Permit Limit ug/l
Arsenic	<2.5	<2.5	3
Mercury	0.28	0.28	2
Thallium	< 1	< 1	2
Iron	<150	<150	1,000
Manganese	133	133	1,000
TSS	<5,000	<5,000	5,000
Benzene	< 1	< 1	1

Weekly average values: When the reported value is greater than the MDL but less than the RL, a value of 50% of the RL will be used to calculate the average value. When the reported value is less than the MDL, a value of 50% of the MDL will be used to calculate the average.
NS = Not Sampled
All Testing Performed by Test America

Please contact me with any questions.

Sincerely,

BIGLER ASSOCIATES, INC.

Daniel Alesandro

C: T. Schoenberg, D. Bigler

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-16156-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	Plant Eff	
Lab Sample No.	PQLs and	PQLs and	460-16156-1	
Sampling Date	GW Quality	GW Quality	8/9/2010 11:30:00 AM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor			1	
Units	ug/l	ug/l	ug/L	
VOLATILE COMPOUNDS (GC/MS)				
Benzene	1	1	1.0	U
Total Confident Conc.			0	
Total Estimated Conc. (TICs)			0	

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 8/12/2010 9:01:14 AM

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-16156-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	Plant Eff	
Lab Sample No.	PQLs and	PQLs and	460-16156-1	
Sampling Date	GW Quality	GW Quality	8/9/2010 11:30:00 AM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor				
Units	ug/l	ug/l	ug/L	
METALS				
Arsenic	8	3	2.5	U
Iron	300	300	150	U
Manganese	50	50	133	
Mercury	2	2	0.28	
Thallium	10	2	1.0	U

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 8/12/2010 9:01:14 AM

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-16156-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	Plant Eff	
Lab Sample No.	PQLs and	PQLs and	460-16156-1	
Sampling Date	GW Quality	GW Quality	8/9/2010 11:30:00 AM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor				
Units				
WET CHEMISTRY				
Total Suspended Solids (mg/L)	NA	NA	5.0	U

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 8/12/2010 9:01:15 AM

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): [illegible]	Sampler's Name (Printed): [illegible]	Site/Project Identification: [illegible]
Company: [illegible]	P.O. #: [illegible]	State (Location of Site): NJ: X NY: Other:
Address: [illegible]		Regulatory Program:
City: [illegible] State: [illegible]	Analysis Turnaround Time: Standard ☐ Rush Charges Authorized For: 1 week ☐ 2 week ☐ Other ☒	LAB USE ONLY Project No:
Phone: [illegible] Fax: [illegible]		Job No:

Sample Identification	Date	Time	Matrix	No. of Cont.	[illegible]	[illegible]	[illegible]								Sample Numbers
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	X	X	[illegible]								

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH, 6 = Other — Soil / Water

Special Instructions: [illegible]

Water Metals Filtered (Yes/No)?

Relinquished by	Company	Date / Time	Received by	Company
1) [illegible]	[illegible]	[illegible]	1) [illegible]	TA
2)			2)	
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132), Massachusetts (M-NJ312), North Carolina (No. 578)

TAL-0016 (0408)

Bigler Associates, Inc.

August 23, 2010

Chris Greene, P.E., Project Manager
PARSONS
150 Federal Street, 4th Floor
Boston, MA 02110

Re: Ventron Velsicol Superfund Site – Construction Water Treatment Plant
CWTP Effluent Data – Weekly Samples; Area D Water Treated

Dear Chris:

Attached please find the laboratory data from Test America for Construction Water Treatment Plant (CWTP) effluent samples collected on August 16, 2010. The CWTP was operated treating approximately 62,055 gallons of water from Areas I & D from Monday, August 16th through Friday, August 20th.

Effluent Results

Effluent results are presented below and copies of the preliminary laboratory report and chain of custody form are attached. Effluent test results indicate compliance with all of the discharge permit-by-rule effluent limits.

Summary of CWTP Effluent Data for Week Ending August 20, 2010
Water from Areas I and D

Parameter	August 16, 2010 13:30 Result, ug/l	Weekly Average ug/l	NJDEP Permit Limit ug/l
Arsenic	<2.5	<2.5	3
Mercury	<0.20	<0.20	2
Thallium	< 1	< 1	2
Iron	145	145	1,000
Manganese	399	399	1,000
TSS	<5,000	<5,000	5,000
Benzene	< 1	< 1	1

Weekly average values: When the reported value is greater than the MDL but less than the RL, a value of 50% of the RL will be used to calculate the average value. When the reported value is less than the MDL, a value of 50% of the MDL will be used to calculate the average.
NS = Not Sampled
All Testing Performed by Test America

Please contact me with any questions.

Sincerely,

BIGLER ASSOCIATES, INC.

Daniel Alesandro

C: T. Schoenberg, D. Bigler

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-16400-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	Plant Eff	
Lab Sample No.	PQLs and	PQLs and	460-16400-1	
Sampling Date	GW Quality	GW Quality	8/16/2010 1:30:00 PM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor			1	
Units	ug/l	ug/l	ug/L	
VOLATILE COMPOUNDS (GC/MS)				
Benzene	1	1	1.0	U
Total Confident Conc.			0	
Total Estimated Conc. (TICs)			0	

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 8/19/2010 9:47:14 AM

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-16400-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	Plant Eff	
Lab Sample No.	PQLs and	PQLs and	460-16400-1	
Sampling Date	GW Quality	GW Quality	8/16/2010 1:30:00 PM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor				
Units	ug/l	ug/l	ug/L	
METALS				
Arsenic	8	3	2.5	U
Iron	300	300	145	J
Manganese	50	50	399	
Mercury	2	2	0.20	U
Thallium	10	2	1.0	U

NR: Not analyzed.

J: Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U: Indicates the analyte was analyzed for but not detected.

Generated on 8/19/2010 9:47:14 AM

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-16400-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	Plant Eff	
Lab Sample No.	PQLs and	PQLs and	460-16400-1	
Sampling Date	GW Quality	GW Quality	8/16/2010 1:30:00 PM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor				
Units				
WET CHEMISTRY				
Total Suspended Solids (mg/L)	NA	NA	5.0	U

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 8/19/2010 9:47:15 AM

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

777 New Durham Road
Edison, New Jersey 08817
Phone (732) 549-3900 Fax (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): [illegible]	Samplers Name (Printed): [illegible]	Site/Project Identification: [illegible]
Company: [illegible] Associates	P.O. #:	State (Location of site): NJ / NY / Other: [illegible]
		Regulatory Program: [illegible]
Address: 2 Main St		
City: [illegible] State: [illegible]		
Phone: (201) 2[illegible] Fax: (201) [illegible]		

Sample Identification	Date	Time	Matrix	No. of Cont.	Analysis	LAB USE ONLY: Project No. / Job No. / Sample Numbers
[illegible] Effluent	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other ________ 7 = [illegible] ________

Special Instructions [illegible]

Relinquished by	Company	Date / Time	Received by	Company
1) [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2)				
3)				
4)				

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132),
Massachusetts (M-NJ312), North Carolina (No. 578)

Bigler Associates, Inc.

August 30, 2010

Chris Greene, P.E., Project Manager
PARSONS
150 Federal Street, 4th Floor
Boston, MA 02110

Re: Ventron Velsicol Superfund Site – Construction Water Treatment Plant
CWTP Effluent Data – Weekly Samples; Areas I, D, and Decon Pad Water Treated

Dear Chris:

Attached please find the laboratory data from Test America for Construction Water Treatment Plant (CWTP) effluent samples collected on August 23, 2010. The CWTP was operated treating approximately 113,982 gallons of water from Areas I, D and from the Decon Pads from Monday, August 23rd through Friday, August 27th.

Effluent Results

Effluent results are presented below and copies of the preliminary laboratory report and chain of custody form are attached. Effluent test results indicate compliance with all of the discharge permit-by-rule effluent limits.

Summary of CWTP Effluent Data for Week Ending August 27, 2010
Water from Areas I, D and Decon Pads

Parameter	August 23, 2010 13:30 Result, ug/l	Weekly Average ug/l	NJDEP Permit Limit ug/l
Arsenic	<2.5	<2.5	3
Mercury	<0.20	<0.20	2
Thallium	< 1	< 1	2
Iron	<150	<150	1,000
Manganese	783	783	1,000
TSS	<5,000	<5,000	5,000
Benzene	< 1	< 1	1

Weekly average values: When the reported value is greater than the MDL but less than the RL, a value of 50% of the RL will be used to calculate the average value. When the reported value is less than the MDL, a value of 50% of the MDL will be used to calculate the average.
NS = Not Sampled
All Testing Performed by Test America

Please contact me with any questions.

Sincerely,

BIGLER ASSOCIATES, INC.

Daniel Alesandro

C: T. Schoenberg, D. Bigler

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-16645-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	Plant Eff	
Lab Sample No.	PQLs and	PQLs and	460-16645-1	
Sampling Date	GW Quality	GW Quality	8/23/2010 1:30:00 PM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor			1	
Units	ug/l	ug/l	ug/L	
VOLATILE COMPOUNDS (GC/MS)				
Benzene	1	1	1.0	U
Total Confident Conc.			0	
Total Estimated Conc. (TICs)			0	

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 8/26/2010 11:03:40 AM

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-16645-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	Plant Eff	
Lab Sample No.	PQLs and	PQLs and	460-16645-1	
Sampling Date	GW Quality	GW Quality	8/23/2010 1:30:00 PM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor				
Units	ug/l	ug/l	ug/L	
METALS				
Arsenic	8	3	2.5	U
Iron	300	300	150	U
Manganese	50	50	783	
Mercury	2	2	0.20	U
Thallium	10	2	1.0	U

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 8/26/2010 11:03:41 AM

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-16645-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	Plant Eff	
Lab Sample No.	PQLs and	PQLs and	460-16645-1	
Sampling Date	GW Quality	GW Quality	8/23/2010 1:30:00 PM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor				
Units				
WET CHEMISTRY				
Total Suspended Solids (mg/L)	NA	NA	5.0	U

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 8/26/2010 11:03:42 AM

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): DAN ALTAMORO [illegible]	Sampler's Name (Printed): [illegible]	Site/Project Identification: VENTRON
Company: [illegible] ASSOC INC	P.O. #	State (Location of site): NJ [X] NY [ ] Other:
		Regulatory Program:
Address: 2 MAIN ST	Analysis Turnaround Time: Standard [ ]	
City: RIDGEFIELD PK State: NJ	Rush Charges Authorized for: 2 Week [ ]	
Phone: 201 296 0712 Fax: 0729	1 Week [ ] Other [X] 24 HR	

Analysis Requested (Enter "X" Below to Indicate Request)

Sample Identification	Date	Time	Matrix	No. of Cont.	[illegible]	[illegible]	[illegible]								LAB USE ONLY Sample Numbers
PLANT EFF	8/23/16	13:[illegible]	W	5	X	X	X								

LAB USE ONLY — Project No: — Job No:

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH, 6 = Other, 7 = Other — Soil / Water: [illegible]

Special Instructions: [illegible] METALS [illegible] Hg [illegible] As [illegible] Fe [illegible] Mn [illegible] [illegible] = 25 mg/L

Water Metals Filtered (Yes/No)? No

Relinquished by	Company	Date / Time	Received by	Company
1) [signature]	GAI	[illegible] 10:40	1) [signature]	TESTAMERICA
2)			2)	
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132), Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0408)

Bigler Associates, Inc.

September 8, 2010

Chris Greene, P.E., Project Manager
PARSONS
150 Federal Street, 4th Floor
Boston, MA 02110

Re: Ventron Velsicol Superfund Site – Construction Water Treatment Plant
CWTP Effluent Data – Weekly Samples; Areas I, D, and Decon Pad Water Treated

Dear Chris:

Attached please find the laboratory data from Test America for Construction Water Treatment Plant (CWTP) effluent samples collected on August 23, 2010. The CWTP was operated treating approximately 43,202 gallons of water from Areas I, D and from the Decon Pads from Monday, August 30th through Friday, September 3rd.

Effluent Results

Effluent results are presented below and copies of the preliminary laboratory report and chain of custody form are attached. Effluent test results indicate compliance with all of the discharge permit-by-rule effluent limits.

Summary of CWTP Effluent Data for Week Ending September 3, 2010
Water from Areas I, D and Decon Pads

Parameter	August 30, 2010 11:00 Result, ug/l	Weekly Average ug/l	NJDEP Permit Limit ug/l
Arsenic	<2.5	<2.5	3
Mercury	0.34	0.34	2
Thallium	< 1	< 1	2
Iron	244	244	1,000
Manganese	839	839	1,000
TSS	<5,000	<5,000	5,000
Benzene	< 1	< 1	1

Weekly average values: When the reported value is greater than the MDL but less than the RL, a value of 50% of the RL will be used to calculate the average value. When the reported value is less than the MDL, a value of 50% of the MDL will be used to calculate the average.
NS = Not Sampled
All Testing Performed by Test America

Please contact me with any questions.

Sincerely,

BIGLER ASSOCIATES, INC.

Daniel Alesandro

C: T. Schoenberg, D. Bigler

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-16881-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	Plant Eff	
Lab Sample No.	PQLs and	PQLs and	460-16881-1	
Sampling Date	GW Quality	GW Quality	8/30/2010 11:00:00 AM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor			1	
Units	ug/l	ug/l	ug/L	
VOLATILE COMPOUNDS (GC/MS)				
Benzene	1	1	1.0	U
Total Confident Conc.			0	
Total Estimated Conc. (TICs)			0	

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 9/7/2010 5:59:36 PM

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-16881-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	Plant Eff	
Lab Sample No.	PQLs and	PQLs and	460-16881-1	
Sampling Date	GW Quality	GW Quality	8/30/2010 11:00:00 AM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor				
Units	ug/l	ug/l	ug/L	
METALS				
Arsenic	8	3	2.5	U
Iron	300	300	244	
Manganese	50	50	839	
Mercury	2	2	0.34	
Thallium	10	2	1.0	U

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 9/7/2010 5:59:37 PM

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-16881-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	Plant Eff	
Lab Sample No.	PQLs and	PQLs and	460-16881-1	
Sampling Date	GW Quality	GW Quality	8/30/2010 11:00:00 AM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor				
Units				
WET CHEMISTRY				
Total Suspended Solids (mg/L)	NA	NA	5.0	U

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 9/7/2010 5:59:37 PM

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

Name (for report and invoice): DAN ALESANDRO

Company: Boswell Assoc. Inc.

Address: 2 Main St.

City: Ridgefield Pk

Phone: 201 296-0712

Site/Project Identification: [illegible]

State (Location of site): NJ ☒ NY ☐ Other

Regulatory Program:

LAB USE ONLY
Project No.:
Job No.:

Sample Identification	Date	Time	Matrix	No. of Cont.	Sample Numbers
PLANT [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH, 6 = Other

Special Instructions: * [illegible] — Water Metals Filtered (Yes/No)?

Relinquished by	Company	Date / Time	Received by	Company
1) [signature]	[illegible]	[illegible]	1) [signature]	Test America
2)			2)	
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132), Massachusetts (M-NJ312), North Carolina (No. 578)

TAL-0016 (0408)

Bigler Associates, Inc.

September 13, 2010

Chris Greene, P.E., Project Manager
PARSONS
150 Federal Street, 4th Floor
Boston, MA 02110

Re: Ventron Velsicol Superfund Site – Construction Water Treatment Plant
CWTP Effluent Data – Weekly Samples; Areas I, D, and Decon Pad Water Treated

Dear Chris:

Attached please find the laboratory data from Test America for Construction Water Treatment Plant (CWTP) effluent samples collected on September 6, 2010. The CWTP was operated treating approximately 65,881 gallons of water from Areas I, D and from the Decon Pads from Monday, September 6th through Friday, September 10th. Please note that September 10th was the last day of operation of the CWTP.

Effluent Results

Effluent results are presented below and copies of the preliminary laboratory report and chain of custody form are attached. Effluent test results indicate compliance with all of the discharge permit-by-rule effluent limits.

Summary of CWTP Effluent Data for Week Ending September 10, 2010
Water from Areas I, D and Decon Pads

Parameter	Sept. 6, 2010 13:00 Result, ug/l	Weekly Average ug/l	NJDEP Permit Limit ug/l
Arsenic	<2.5	<2.5	3
Mercury	0.33	0.33	2
Thallium	< 1	< 1	2
Iron	194	194	1,000
Manganese	831	831	1,000
TSS	<5,000	<5,000	5,000
Benzene	< 1	< 1	1

Weekly average values: When the reported value is greater than the MDL but less than the RL, a value of 50% of the RL will be used to calculate the average value. When the reported value is less than the MDL, a value of 50% of the MDL will be used to calculate the average.
NS = Not Sampled
All Testing Performed by Test America

Please contact me with any questions.

Sincerely,

BIGLER ASSOCIATES, INC.

Daniel Alesandro

C: T. Schoenberg, D. Bigler

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-17180-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	Plant Eff	
Lab Sample No.	PQLs and	PQLs and	460-17180-1	
Sampling Date	GW Quality	GW Quality	9/7/2010 1:00:00 PM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor			1	
Units	ug/l	ug/l	ug/L	
VOLATILE COMPOUNDS (GC/MS)				
Benzene	1	1	1.0	U
Total Confident Conc.			0	
Total Estimated Conc. (TICs)			0	

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

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TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-17180-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	Plant Eff	
Lab Sample No.	PQLs and	PQLs and	460-17180-1	
Sampling Date	GW Quality	GW Quality	9/7/2010 1:00:00 PM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor				
Units	ug/l	ug/l	ug/L	
METALS				
Arsenic	8	3	2.5	U
Iron	300	300	194	
Manganese	50	50	831	
Mercury	2	2	0.33	
Thallium	10	2	1.0	U

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 9/10/2010 4:34:09 PM

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-17180-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	Plant Eff	
Lab Sample No.	PQLs and	PQLs and	460-17180-1	
Sampling Date	GW Quality	GW Quality	9/7/2010 1:00:00 PM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor				
Units				
WET CHEMISTRY				
Total Suspended Solids (mg/L)	NA	NA	5.0	U

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 9/10/2010 4:34:09 PM

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): DAN ALESSANDRO [illegible]	Sampler's Name (Printed): DAN ALESSANDRO	Site/Project Identification: VERITKOW
Company: [illegible] ASSOC. INC.	[illegible]	State (Location of site): NJ ☒ NY ☐ Other
		Regulatory Program:
Address: 2 MAIN ST [illegible]	[illegible]	Analysis (Attach list if more space is needed):
City / State / Zip: [illegible] NJ [illegible]	[illegible]	
Phone: [illegible]	[illegible]	

Sample Identification	Date	Time	Matrix	No. of Cont.	[illegible]	[illegible]	[illegible]								LAB USE ONLY Project No: / Job No: / Sample Numbers
PLANT EFF [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	X	X	X								

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH, 6 = Other	Soil:	[illegible]	[illegible]	[illegible]								
	Water:	[illegible]	[illegible]	[illegible]								

Special Instructions: [illegible] 25 [illegible]

Water Metals Filtered (Yes/No)? No

Relinquished by	Company	Date / Time	Received by	Company
1) [illegible]	[illegible]	[illegible]	1) [illegible]	[illegible]
2)			2)	
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132), Massachusetts (M-NJ312), North Carolina (No. 578)

TAL-0016 (0408)

Attachment 3 – Analytical Testing and Virgin Source Certifications for Backfill Materials

S & S ENVIRONMENTAL SCIENCES, INC.

Environmental Engineering, Testing and Consultation

98 Sand Park Road, Cedar Grove, NJ 07009
Tel (973) 857-7188 Fax (973) 239-8380

Kamil Sor, Ph.D.
Yilmaz Arhan, Ph.D.
Orhun Sor, P.E.
Peter G. Micklus, P.E.
Kenneth J. Rowbotham, P.E.

Client:	Sevenson Environmental Services				
Project:	Ventron/Velsicol Superfund Site OU-1, Wood-Ridge, New Jersey				
Subject:	Laboratory Analysis of Maddox Topsoil Sample				
Job No.:	10-127 (STL)	**Report Number:**	10-E-335	**Date:**	10-28-2010

We present herewith the laboratory test results of the topsoil sample received on October 20, 2010. The sample (designated as Maddox topsoil) was collected by a representative of Sevenson Environmental Services on October 20, 2010, and delivered to our laboratory. As requested by the Client, the sample was analyzed for the NJDEP Clean Fill Criteria (based on the NJDEP Residential Direct Contact Soil Remediation Standards; copy of list attached).

The analyses were performed by Integrated Analytical Laboratories, LLC (IAL) (NJDEP Lab ID No. 14751). The test results are summarized in Table No. 1. A copy of the sample chain-of-custody form and a copy of the preliminary faxed IAL laboratory summary report are attached.

The test results were compared to the NJDEP Clean Fill Criteria (based on Residential Direct Contact Soil Remediation Standards). Based on the laboratory data, it is our opinion that the sample received and analyzed met all of the NJDEP Soil Remediation Standards/Clean Fill Criteria.

If there are any questions or if we can be of further assistance in this matter please call us.

Very truly yours,

S & S ENVIRONMENTAL SCIENCES, INC.

Yilmaz Arhan, Ph.D.
Vice President

YA/ya

Attachments: (1) Sample Chain of Custody Form
(2) IAL Laboratory Summary Report
(3) NJDEP Soil Remediation Standards List

cc: (1) Client (Attn: Mr. Jayson Stark) (Fax No. 201-933-1996)

S & S ENVIRONMENTAL SCIENCES, INC.

Sevenson Environmental Services — Report No. 10-E-335
Re: Ventron/Velsicol Superfund Site OU-1, Wood-Ridge, NJ — October 28, 2010
Laboratory Testing of Maddox Topsoil Sample —

TABLE 1 - SUMMARY OF LABORATORY TEST RESULTS

PARAMETERS	LAB SAMPLE #10-218 RESULT	NJDEP SOIL REMEDIATION STANDARD(*)
Organic Compounds		
Volatile Organic Compounds	Not Detected (See Table 1A)	See Attached List
Semi-Volatile Organics	Total 0.937 (See Table 1B)	See Attached List
Pesticides	4,4'-DDE=0.000358 J Dieldrin=0.000509 4,4'-DDT=0.00082 Chlordane=0.00383 J Others Not Detected (See Table 1C)	4,4'-DDE=2 Dieldrin=0.04 4,4'-DDT=2 Chlordane=0.2 Others See Attached List
PCBs	Not Detected (See Table 1C)	Total 0.20
Metals:		
Aluminum	23,700	78,000
Antimony	ND (<0.307)	31
Arsenic	4.58	19
Barium	89.4	16,000
Beryllium	0.942	16
Cadmium	0.272 J	78
Chromium	23.9	120,000
Cobalt	9.15	1,600
Copper	26.9	3,100
Lead	55.5	400
Manganese	541	11,000
Mercury	0.123	23
Nickel	16.6	1,,600
Selenium	ND (<1.23)	390
Silver	ND (<0.154)	390
Thallium	0.194 J	5
Vanadium	49.7	78
Zinc	93.1	23,000
Others		
Cyanide	ND (<0.836)	1,600
Hexavalent Chromium	ND (<0.335)	20

Results are in mg/kg (milligrams per kilogram) unless otherwise specified.

(*) NJDEP's most stringent "Residential Direct Contact Soil Remediation Standards"
ND: *Not Detected*
< - Indicates less than (the value reported is the Reporting Limit)
J – The concentration was detected at a value below the Reporting Limit and above the Method Detection Limit

S & S ENVIRONMENTAL SCIENCES, INC.

Sevenson Environmental Services
Re: Ventron/Velsicol Superfund Site OU-1, Wood-Ridge, NJ
Laboratory Testing of Maddox Topsoil Sample

Report No. 10-E-335
October 28, 2010

TABLE 1A - TEST RESULTS FOR VOLATILE ORGANIC COMPOUNDS

SAMPLING DATE: 10-20-2010 (Client)		SAMPLE MATRIX: Soil
PARAMETER	SAMPLE # 10-218 RESULT	NJDEP SOIL REMEDIATION STANDARD(*)
1,1-Dichloroethane	ND	8
1,1,1-Trichloroethane	ND	290
1,1,2,2-Tetrachloroethane	ND	1
1,1,2-Trichloroethane	ND	2
1,1-Dichloroethene	ND	11
1,2-Dichloroethene	ND	230
1,2-Dichloropropane	ND	2
1,3-Dichloropropene (cis and trans)	ND	2
1,2-Dichloroethane	ND	0.9
2-Butanone (MEK)	ND	3100
4-Methyl-2-Pentanone (MIBK)	ND	NA
Acetone	ND	70000
Acrylonitrile	ND	0.9
Benzene	ND	2
Bromodichloromethane	ND	1
Bromoform	ND	81
Bromomethane	ND	25
Carbon tetrachloride	ND	0.6
Carbon disulfide	ND	7,800
Chlorobenzene	ND	510
Chloroform	ND	0.6
Chloromethane	ND	4
Cis-1,2-Dichloroethene	ND	230
Trans-1,2-Dichloroethene	ND	300
Dibromochloromethane	ND	3
Ethylbenzene	ND	7800
Methyl acetate	ND	78,000
Methylene Chloride	ND	34
Styrene	ND	90
Naphthalene	ND	6
Tetrachloroethene (PCE)	ND	2
Toluene	ND	6300
Xylenes (Total)	ND	12000
Trichloroethene (TCE)	ND	7
Trichlorofluoromethane	ND	23000
Tertiary Butyl Alcohol	ND	1400
Vinyl Chloride	ND	0.7
Tentatively Identified Compounds (TICs)	ND	NA
Total VO's and TICs	ND	NA

Results are in mg/kg (milligrams per kilogram) unless otherwise specified.
(*) NJDEP's most stringent "Residential Direct Contact Soil Remediation Standards"
ND: NOT DETECTED (see laboratory report for detection limits) NA–NOT AVAILABLE

TABLE 1B – TEST RESULTS FOR SEMI-VOLATILE ORGANIC COMPOUNDS

SAMPLING DATE:	10-20-2010 (Client)	SAMPLE MATRIX: Soil

PARAMETER	SAMPLE #10-218 RESULT	NJDEP SOIL REMEDIATION STANDARD(*)
bis(2-chloroethyl) ether	ND	0.4
1,3-Dichlorobenzene	ND	5300
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5300
Benzyl alcohol	ND	NA
bis(2-chloroisopropyl) ether	ND	23
bis(2-ethylhexyl) phthalate	ND	35
Hexachloroethane	ND	35
n-Nitroso-di-n-propylamine	ND	0.2
Nitrobenzene	ND	31
Isophorone	ND	510
1,2,4-Trichlorobenzene	ND	73
4-Chloroaniline	ND	NA
Hexachloro-1,3-butadiene	ND	6
Hexachlorocyclopentadiene	ND	45
Dimethylphthalate	ND	NA
Diethylphthalate	ND	49,000
2,4-Dinitrotoluene	ND	0.7
2,6- Dinitrotoluene	ND	0.7
n-Nitrosodiphenylamine	ND	99
Hexachlorobenzene	ND	0.3
Butylbenzylphthalate	ND	1200
4-Chloro-3-methylphenol	ND	NA
2-Chlorophenol	ND	310
Di-n-butyl phthalate	ND	6100
Di-n-octyl phthalate	ND	2400
3,3'-Dichlorobenzidine	ND	1
2,4-Dichlorophenol	ND	180

Results are in mg/kg (milligrams per kilogram) unless otherwise specified.

(*) NJDEP's most stringent "Residential Direct Contact Soil Remediation Standards"

ND: *Not Detected (see laboratory report for detection limits)*

NA – NOT APPLICABLE/NOT AVAILABLE

TABLE 1B - TEST RESULTS FOR SEMI-VOLATILE ORGANIC COMPOUNDS (continued)

SAMPLING DATE:	10-20-2010 (Client)	SAMPLE MATRIX: Soil

PARAMETER	SAMPLE #10-218 RESULT	NJDEP SOIL REMEDIATION STANDARD(*)
2,4-Dimethylphenol	ND	1200
2,4-Dinitrophenol	ND	120
2-Methylphenol (o-Cresol)	ND	310
4-Methylphenol (p-Cresol)	ND	31
Pentachlorophenol	ND	3
Phenol	ND	18,000
2,4,5-Trichlorophenol	ND	6100
2,4,6-Trichlorophenol	ND	19
Benzoic Acid	ND	NA
Acenaphthene	ND	3400
Acenaphthylene	ND	NA
Anthracene	ND	17,000
Benzo[a]anthracene	0.097	0.6
Benzo[a]pyrene	0.095	0.2
Benzo[b]fluoranthene	0.097	0.6
Benzo[k]fluoranthene	0.080	6
Carbazole	ND	24
Chrysene	0.103	62
Dibenz[a,h]anthracene	0.038 J	0.2
Dibenzofuran	ND	NA
Fluoranthene	0.109	2300
Fluorene	ND	2300
Indeno[1,2,3-cd]pyrene	0.079	0.6
Naphthalene	ND	6
2-Methylnaphthalene	ND	230
Pyrene	0.122	1700
Benzo[g,h,i]perylene	0.084	380000
Phenanthrene	0.033 J	NA
Total	0.937 J	NA
Tentatively Identified Compounds (TICs)	ND	NA
Total	0.937 J	NA

Results are in mg/kg (milligrams per kilogram) unless otherwise specified.

(*) NJDEP's most stringent "Residential Direct Contact Soil Remediation Standards"

ND: Not Detected *(see laboratory report for detection limits)*
NA - Not Applicable/Not Available

S & S ENVIRONMENTAL SCIENCES, INC.

TABLE 1C- TEST RESULTS FOR PESTICIDES AND PCBs

SAMPLING DATE:	10-20-2010 (Client)	SAMPLE MATRIX: Soil

PARAMETER	SAMPLE #10-218 RESULT	NJDEP SOIL REMEDIATION STANDARDS(*)
PESTICIDES		
Aldrin	ND	0.04
4,4' – DDD	ND	3
4,4' – DDE	0.000358 J	2
4,4' – DDT	0.00082	2
Dieldrin	0.000509	0.04
Endosulfan I and Endosulfan II	ND	470
Endosulfan sulfate	ND	470
Endrin	ND	23
Heptachlor	ND	0.1
Heptachlor epoxide	ND	0.07
alpha-BHC	ND	0.1
beta-BHC	ND	0.4
gamma – BHC (Lindane)	ND	0.4
Methoxychlor	ND	390
Toxaphene	ND	0.6
Chlordane	0.00383 J	0.2
PCBs		0.20 (TOTAL PCBs)
Aroclor - 1016	ND	NA
Aroclor - 1221	ND	NA
Aroclor - 1232	ND	NA
Aroclor - 1242	ND	NA
Aroclor - 1248	ND	NA
Aroclor - 1254	ND	NA
Aroclor - 1260	ND	NA

Results are in mg/kg (milligrams per kilogram) unless otherwise specified.

(*) NJDEP's most stringent "Residential Direct Contact Soil Remediation Standards"

ND: *Not Detected (see laboratory report for detection limits)*
NA - Not Applicable/Not Available

J – The concentration was detected at a value below the Reporting Limit and above the Method Detection Limit

S & S ENVIRONMENTAL SCIENCES, INC.

Environmental Engineering, Testing and Consultation

98 Sand Park Rad, Cedar Grove, NJ 07009
Tel (973) 857-7188 Fax (973) 239-8380

NJDEP Lab Certification No. 07073

SAMPLE CHAIN OF CUSTODY

CLIENT	Severn Son	SSES PROJECT NO.	
ADDRESS		TEL. NO.	
		FAX NO.	
PROJECT	Woodridge NJ	PROJECT LAB ID NO.	10-218

SAMPLE NUMBER	SAMPLING DATE	SAMPLING TIME	SAMPLE TYPE	NO. OF BOTTLES	ANALYSES REQUESTED
	10/20/10	9 AM	Soil		NJDEP cleanup

Comments:

Field Measurements: pH=_____ Temp.=_____ Flow Rate=_____

Sample Preservation: Cooled at 4° C _____ H_2SO_4 _____ NaOH _____

HNO_3 _____ HCl _____ Sodium Thiosulfate _____ Other _____

Sampled By:

RELINQUISHED BY:	RECEIVED BY:	DATE AND TIME:
Frank DeFerdinando		10/20/10 10:10

Integrated Analytical Laboratories, LLC

273 Franklin Road, Randolph, NJ 07869
Phone# (973) 361-4252 *Fax# (973) 989-5288*

Fax Cover Sheet

To: Dr. Yilmaz Arhan
Company: S & S Environmental
Fax: 1(973) 239-8380

From: Jackie Begraft
Date: 10/27/2010 4:50 PM
Pages: 1 of 5 (including this page)

Comments

Project: WOODRIDGE
IAL Case Num: E10-10621 Summary

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: S & S Environmental
Project: WOODRIDGE
Lab Case No.: E10-10621

	Lab ID:	Client ID:	Matrix:	Sampled Date:
	I0621-001	10-218	Soil	10/20/10

PARAMETER(Units)	Conc	Q	MDL
Volatiles (Units)	(mg/Kg-ppm)		
Dichlorodifluoromethane	ND		0.000306
Chloromethane	ND		0.000545
Vinyl chloride	ND		0.000492
Bromomethane	ND		0.000492
Chloroethane	ND		0.000559
Trichlorofluoromethane	ND		0.000426
Acrolein	ND		0.00263
1,1-Dichloroethene	ND		0.000545
Acetone	ND		0.000865
Carbon disulfide	ND		0.000492
Methylene chloride	ND		0.00258
Acrylonitrile	ND		0.00196
tert-Butyl alcohol (TBA)	ND		0.00194
trans-1,2-Dichloroethene	ND		0.000599
Methyl tert-butyl ether (MTBE)	ND		0.000279
1,1-Dichloroethane	ND		0.000545
cis-1,2-Dichloroethene	ND		0.000466
2-Butanone (MEK)	ND		0.000279
Chloroform	ND		0.000372
1,1,1-Trichloroethane	ND		0.000372
Carbon tetrachloride	ND		0.000412
1,2-Dichloroethane (EDC)	ND		0.000319
Benzene	ND		0.000479
Trichloroethene	ND		0.000426
1,2-Dichloropropane	ND		0.000386
Bromodichloromethane	ND		0.000279
cis-1,3-Dichloropropene	ND		0.000346
Toluene	ND		0.000559
trans-1,3-Dichloropropene	ND		0.000279
1,1,2-Trichloroethane	ND		0.000279
Tetrachloroethene	ND		0.000492
Dibromochloromethane	ND		0.000293
1,2-Dibromoethane (EDB)	ND		0.000319
Chlorobenzene	ND		0.000452
Ethylbenzene	ND		0.000439
Total Xylenes	ND		0.00136
Styrene	ND		0.000372
Bromoform	ND		0.000279
1,1,2,2-Tetrachloroethane	ND		0.000306
1,3-Dichlorobenzene	ND		0.000439
1,4-Dichlorobenzene	ND		0.000426
1,2-Dichlorobenzene	ND		0.000372
1,2-Dibromo-3-chloropropane	ND		0.000319
1,2,4-Trichlorobenzene	ND		0.000319
Hexachlorobutadiene	ND		0.000439
Naphthalene	ND		0.000372
Methyl acetate	ND		0.000479
TOTAL VO's:	ND		
TOTAL TIC's:	ND		
TOTAL VO's & TIC's:	ND		

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: S & S Environmental
Project: WOODRIDGE
Lab Case No.: E10-10621

	Lab ID:	Client ID:	Matrix:	Sampled Date:
	10621-001	10-218	Soil	10/20/10

PARAMETER(Units)	Conc	Q	MDL
Semivolatiles - BNA (Units)	*(mg/Kg-ppm)*		
N-Nitrosodimethylamine	ND		0.076
Benzaldehyde	ND		0.042
Phenol	ND		0.060
Bis(2-chloroethyl) ether	ND		0.045
2-Chlorophenol	ND		0.065
1,3-Dichlorobenzene	ND		0.037
1,4-Dichlorobenzene	ND		0.051
1,2-Dichlorobenzene	ND		0.023
2-Methylphenol	ND		0.025
Bis(2-chloroisopropyl) ether	ND		0.031
4-Methylphenol	ND		0.025
N-Nitrosodi-n-propylamine	ND		0.028
Acetophenone	ND		0.037
Hexachloroethane	ND		0.023
Nitrobenzene	ND		0.048
Isophorone	ND		0.036
2,4-Dimethylphenol	ND		0.043
2,4-Dichlorophenol	ND		0.026
1,2,4-Trichlorobenzene	ND		0.064
Naphthalene	ND		0.023
Hexachlorobutadiene	ND		0.043
Caprolactam	ND		0.062
2-Methylnaphthalene	ND		0.026
Hexachlorocyclopentadiene	ND		0.043
2,4,6-Trichlorophenol	ND		0.033
2,4,5-Trichlorophenol	ND		0.036
1,1'-Biphenyl	ND		0.036
2-Nitroaniline	ND		0.030
2,6-Dinitrotoluene	ND		0.023
Acenaphthylene	ND		0.029
Acenaphthene	ND		0.026
2,4-Dinitrophenol	ND		0.045
2,4-Dinitrotoluene	ND		0.073
Diethyl phthalate	ND		0.023
Fluorene	ND		0.025
4,6-Dinitro-2-methylphenol	ND		0.051
N-Nitrosodiphenylamine	ND		0.042
1,2-Diphenylhydrazine	ND		0.023
Hexachlorobenzene	ND		0.023
Atrazine	ND		0.026
Pentachlorophenol	ND		0.023
Phenanthrene	0.033	J	0.023
Anthracene	ND		0.040
Carbazole	ND		0.045
Di-n-butyl phthalate	ND		0.028

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the RL and above the MDL

Continued on Next Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: S & S Environmental
Project: WOODRIDGE
Lab Case No.: E10-10621

	Lab ID:	10621-001		
	Client ID:	10-218		
	Matrix:	Soil		
	Sampled Date:	10/20/10		
PARAMETER(Units)		Conc	Q	MDL
Semivolatiles - BNA (Units)		*(mg/Kg-ppm)*		
Fluoranthene		0.109		0.023
Benzidine		ND		0.053
Pyrene		0.122		0.025
Butyl benzyl phthalate		ND		0.056
3,3'-Dichlorobenzidine		ND		0.033
Benzo[a]anthracene		0.097		0.031
Chrysene		0.103		0.043
Bis(2-ethylhexyl) phthalate		ND		0.051
Di-n-octyl phthalate		ND		0.076
Benzo[b]fluoranthene		0.097		0.026
Benzo[k]fluoranthene		0.080		0.031
Benzo[a]pyrene		0.095		0.033
Indeno[1,2,3-cd]pyrene		0.079		0.023
Dibenz[a,h]anthracene		0.038	J	0.025
Benzo[g,h,i]perylene		0.084		0.028
TOTAL BNA'S:		0.937	J	
TOTAL TIC's:		ND		
TOTAL BNA'S & TIC's:		0.937	J	
PCB's (Units)		*(mg/Kg-ppm)*		
Aroclor-1016		ND		0.000796
Aroclor-1221		ND		0.000796
Aroclor-1232		ND		0.000796
Aroclor-1242		ND		0.000796
Aroclor-1248		ND		0.000796
Aroclor-1254		ND		0.000796
Aroclor-1260		ND		0.000796
Pesticides (Units)		*(mg/Kg-ppm)*		
alpha-BHC		ND		0.000199
beta-BHC		ND		0.000199
gamma-BHC		ND		0.000199
Heptachlor		ND		0.000199
Aldrin		ND		0.000199
Heptachlor epoxide		ND		0.000199
Endosulfan I		ND		0.000199
4,4'-DDE		0.000358	J	0.000199
Dieldrin		0.000509		0.000199
Endrin		ND		0.000199
Endosulfan II		ND		0.000199
4,4'-DDD		ND		0.000199
Endosulfan sulfate		ND		0.000199
4,4'-DDT		0.00082		0.000199
Methoxychlor		ND		0.000199
Chlordane		0.00383	J	0.00239
Toxaphene		ND		0.00239

ND = Analyzed for but Not Detected at the MDL

J = The concentration was detected at a value below the RL and above the MDL

Semivolatiles are carried down through summation.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: S & S Environmental
Project: WOODRIDGE
Lab Case No.: E10-10621

	Lab ID:	10621-001		
	Client ID:	10-218		
	Matrix:	Soil		
	Sampled Date:	10/20/10		
PARAMETER(Units)		Conc	Q	MDL
Metals (Units)		(mg/Kg-ppm)		
Aluminum		23700		6.15
Antimony		ND		0.307
Arsenic		4.58		0.307
Barium		89.4		3.07
Beryllium		0.942		0.246
Cadmium		0.272	J	0.154
Chromium		23.9		0.615
Cobalt		9.15		0.615
Copper		26.9		0.615
Lead		55.5		0.154
Manganese		541		0.307
Mercury		0.123		0.00744
Nickel		16.6		0.615
Selenium		ND		1.23
Silver		ND		0.154
Thallium		0.194	J	0.154
Vanadium		49.7		0.615
Zinc		93.1		2.46
General Analytical (Units)				
Hexavalent Chromium(mg/Kg-ppm)		ND		0.335
Cyanide, Total(mg/Kg-ppm)		ND		0.836
pH/Corrosivity(SU)	? →	7030		NA
Trivalent (III) Chromium(mg/Kg-ppm)		23.9		0.615

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the RL and above the MDL

INTEGRATED ANALYTICAL LABORATORIES

RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. SURCHARGES WILL APPLY IF

CUSTOMER INFO

Company:	SoR
Address:	98 Sand Creek Rd / Albert Lea...
Telephone #:	973 229 6001
Fax #:	8380
EMAIL Address:	
Project Manager:	D. Yates
Sampler:	CR
Project Name:	Woodridge
Project Location (State):	NJ
Battle Order #:	
Quote #:	

REPORTING INFO

Address:	Same
INVOICE TO:	
Address:	Same
Attn:	
PO #:	10-218

Results needed by: Oct 27

Results Only / Reduced / Regulatory - 15% Surcharge applies / Other (describe)

EDD's: SRP, dbf format / lab approved custom EDD / NO EDD/CD REQ'D

Cooler Temp ____ °C

SAMPLE INFORMATION

Sample Matrix: DW - Drinking Water, AQ - Aqueous, WW - Waste Water, OI - Oil, LIQ - Liquid (Specify), OT - Other (Specify), S - Soil, SL - Sludge, SOL - Solid, W - Wipe

ANALYTICAL PARAMETERS

 # BOTTLES & PRESERVATIVES

Client ID	Depth (ft. only)	Date	Time	Matrix	# containers	IAL #	Analytical Parameters	HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
10-12110		10/20	9am	S	5		1508/82 Chemical Lead; pH, @ °C						1	2	2

Vial #12066
#855669
855670

Known Hazard: Yes or No Describe:

Conc. Expected: Low Med High

MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

	Signature/Company	Date	Time		Signature/Company	Date	Time
Relinquished by:	[signature]	10/20	...2:20	Received by:	[signature]	10/20	2:20
Relinquished by:	[signature]		1550	Received by:	[signature]	10/20/10	1550
Relinquished by:				Received by:			
Relinquished by:				Received by:			
Relinquished by:				Received by:			

Comments:

Lab Quote #

PAGE of

LAB COPIES - WHITE / YELLOW; ...

10/2009 rev

Oct 21, 2010 @ 01:31

CONFIRMATION FOR PROJECT

E10-10621: WOODRIDGE

To: Dr. Yilmaz Arhan
S & S Environmental
Fax: 1(973) 239-8380
EMail: yilmazs@sorlabs.com

Report To

S & S Environmental
98 Sand Park Road
Cedar Grove, NJ 07009
Attn: Dr. Yilmaz Arhan

Bill To

S & S Environmental
98 Sand Park Road
Cedar Grove, NJ 07009
Attn: Dr. Yilmaz Arhan

Report Format	P.O. #	Received At Lab	TPHC Due	Verbal Due	Hardcopy Due
Reduced		Oct 20, 2010 @ 15:50	NA	Oct 27, 2010	Nov 10, 2010 *

* Any *Conditional or Hold* status will delay final hardcopy report sent date.

Diskette Req. Not Required

** QC Requirement (must meet): New IGW MDLs

Lab ID	Client Sample ID	Depth	Sampling Time	Matrix	Unit	Field pH/Temp
10621-001	10-218	NA	10/20/10@09:00	Soil	mg/Kg (ppm)	

Sample #	Test	Status	QA Method	TAT	Holding Time Expires
001	SRS VO+10	Analyze	8260B	RUSH 1 WK	11/3/2010
	PCB	Analyze	8082	RUSH 1 WK	11/3/2010
	Chromium - Cr	Analyze	6020	RUSH 1 WK	4/18/2011
	Cyanide, Total	Analyze	9012A	RUSH 1 WK	11/3/2010
	pH/Corrosivity	Analyze	9045C	RUSH 1 WK	11/17/2010

Project Notes:

PKNOTE 1 taken by Ellen on 10/20/2010 04:16
See Attachment A192 for required lists & limits.

NOTE 2 taken by Ellen on 10/21/2010 08:49
CHROMIUM ADDED. NOT ON SRS METALS LIST BUT NEEDED FOR CALCULATION OF TRIVALENT CHROMIUM. DO NOT NEED TO REPORT TOTAL CHROMIUM RESULT.

NOTE: THIS IS A COURTESY COPY OF THIS RULE. ALL OF THE DEPARTMENT'S RULES ARE COMPILED IN TITLE 7 OF THE NEW JERSEY ADMINISTRATIVE CODE.

APPENDIX 1
SOIL REMEDIATION STANDARDS TABLES

Table 1A – Residential Direct Contact Health Based Criteria and Soil Remediation Standards (mg/kg)

Contaminant	CAS No.	Ingestion-Dermal Health Based Criterion	[illegible]	[illegible]	Soil Remediation Standard
Acenaphthene	83-32-9	3,400	NA	0.2	3,400
Acenaphthylene	208-96-8	NA	NA	0.2	NA
Acetone (2-Propanone)	67-64-1	70,000	NA	0.01	70,000
Acetophenone	98-86-2	6,100	2	0.2	2
Acrolein	107-02-8	39	0.5	0.5	0.5
Acrylonitrile	107-13-1	1	0.9	0.5	0.9
Aldrin	309-00-2	0.04	5	0.002	0.04
Aluminum	7429-90-5	78,000	NA	20	78,000
Anthracene	120-12-7	17,000	380,000	0.2	17,000
Antimony	7440-36-0	31	360,000	6	31
Arsenic	7440-38-2	0.4	980	1	19*
Atrazine	1912-24-9	210	NA	0.2	210
Barium	7440-39-3	16,000	910,000	20	16,000
Benzaldehyde	100-52-7	6,100	NA	0.2	6100
Benzene	71-43-2	3	2	0.005	2
Benzidine	92-87-5	0.002	0.004	0.7	0.7
Benzo(a)anthracene (1,2-Benzanthracene)	56-55-3	0.6	38,000	0.2	0.6
Benzo(a)pyrene	50-32-8	0.06	3,800	0.2	0.2
Benzo(b)fluoranthene (3,4-Benzofluoranthene)	205-99-2	0.6	38,000	0.2	0.6
Benzo(ghi)perylene	191-24-2	NA	380,000	0.2	380,000
Benzo(k)fluoranthene	207-08-9	6	38,000	0.2	6
Beryllium	7440-41-7	16	1,800	0.5	16
1,1'-Biphenyl	92-52-4	3,100	NA	0.2	3,100
Bis(2-chloroethyl)ether	111-44-4	0.4	0.6	0.2	0.4
Bis(2-chloroisopropyl)ether	108-60-1	2,400	23	0.2	23
Bis(2-ethylhexyl) phthalate	117-81-7	35	NA	0.2	35
Bromodichloromethane (Dichlorobromomethane)	75-27-4	10	1	0.005	1
Bromoform	75-25-2	81	98	0.005	81
Bromomethane (Methyl bromide)	74-83-9	110	25	0.005	25
2-Butanone (Methyl ethyl ketone) (MEK)	78-93-3	3,100	NA	0.01	3,100
Butyl benzyl phthalate	85-68-7	1,200	NA	0.2	1,200
Cadmium	7440-43-9	78	1,000	0.5	78
Caprolactam	105-60-2	31,000	NA	0.2	31,000

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Contaminant	CAS No.	Ingestion-Dermal Health Based Criterion	[illegible] Inhalation Health Based Criterion	[illegible]	Residential Direct Contact Soil Remediation Standard
Carbazole	86-74-8	24	740,000	0.2	24
Carbon disulfide	75-15-0	7,800	NA	0.5	7,800
Carbon tetrachloride	56-23-5	7	0.6	0.005	0.6
Chlordane (alpha and gamma)	57-74-9	0.2	42,000	0.002	0.2
Chlorobenzene	108-90-7	510	NA	0.005	510
Chloroethane (Ethyl chloride)	75-00-3	220	NA	0.005	220
Chloroform	67-66-3	780	0.6	0.005	0.6
Chloromethane (Methyl chloride)	74-87-3	NA	4	0.005	4
2-Chlorophenol (o-Chlorophenol)	95-57-8	310	910	0.2	310
Chrysene	218-01-9	62	380,000	0.2	62
Cobalt	7440-48-4	1,600	9,100	5	1,600
Copper	7440-50-8	3,100	NA	3	3,100
Cyanide	57-12-5	1,600	NA	3	1,600
4,4'-DDD	72-54-8	3	61,000	0.003	3
4,4'-DDE	72-55-9	2	670	0.003	2
4,4'-DDT	50-29-3	2	44,000	0.003	2
Dibenz(a,h)anthracene	53-70-3	0.06	3,500	0.2	0.2
Dibromochloromethane (Chlorodibromomethane)	124-48-1	8	3	0.005	3
1,2-Dibromo-3-chloropropane	96-12-8	0.3	0.08	0.005	0.08
1,2-Dibromoethane	106-93-4	0.008	0.1	0.005	0.008
1,2-Dichlorobenzene (o-Dichlorobenzene)	95-50-1	5,300	NA	0.005	5,300
1,3-Dichlorobenzene (m-Dichlorobenzene)	541-73-1	5,300	NA	0.005	5,300
1,4-Dichlorobenzene (p-Dichlorobenzene)	106-46-7	610	5	0.005	5
3,3'-Dichlorobenzidine	91-94-1	1	3	0.2	1
Dichlorodifluoromethane	75-71-8	16,000	490	0.005	490
1,1-Dichloroethane	75-34-3	510	8	0.005	8
1,2-Dichloroethane	107-06-2	5	0.9	0.005	0.9
1,1-Dichloroethene	75-35-4	11	61	0.005	11
1,2-Dichloroethene (cis) (c-1,2-Dichloroethylene)	156-59-2	780	230	0.005	230
1,2-Dichloroethene (trans) (t-1,2-Dichloroethylene)	156-60-5	1,300	300	0.005	300
2,4-Dichlorophenol	120-83-2	180	NA	0.2	180
1,2-Dichloropropane	78-87-5	9	2	0.005	2
1,3-Dichloropropene (cis and trans)	542-75-6	6	2	0.005	2
Dieldrin	60-57-1	0.04	1	0.003	0.04
Diethyl phthalate	84-66-2	49,000	NA	0.2	49,000
2,4-Dimethyl phenol	105-67-9	1,200	NA	0.2	1,200
Di-n-butyl phthalate	84-74-2	6,100	NA	0.2	6,100
4,6-Dinitro-2-methylphenol (4,6-	534-52-1	6	730,000	0.3	6

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Contaminant	CAS No.	Ingestion Direct Contact Soil Remediation Standard	Inhalation Direct Contact Soil Remediation Standard	Soil GWQS	Residential Direct Contact Soil Remediation Standard
Dinitro-o-cresol)					
2,4-Dinitrophenol	51-28-5	120	NA	0.3	120
2,4-Dinitrotoluene	121-14-2	0.7	6	0.2	0.7
2,6-Dinitrotoluene	606-20-2	0.7	2	0.2	0.7
2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	25321-14-6	0.7	NA	0.2	0.7
Di-n-octyl phthalate	117-84-0	2,400	NA	0.2	2,400
1,2-Diphenylhydrazine	122-66-7	0.6	5	0.7	0.7
Endosulfan I and Endosulfan II (alpha and beta)	115-29-7	470	NA	0.003	470
Endosulfan sulfate	1031-07-8	470	NA	0.003	470
Endrin	72-20-8	23	NA	0.003	23
Ethyl benzene	100-41-4	7,800	NA	0.005	7,800
Fluoranthene	206-44-0	2,300	NA	0.2	2,300
Fluorene	86-73-7	2,300	NA	0.2	2,300
alpha-HCH (alpha-BHC)	319-84-6	0.1	0.7	0.002	0.1
beta-HCH (beta-BHC)	319-85-7	0.4	8,000	0.002	0.4
Heptachlor	76-44-8	0.1	6	0.002	0.1
Heptachlor epoxide	1024-57-3	0.07	5	0.002	0.07
Hexachlorobenzene	118-74-1	0.3	1	0.2	0.3
Hexachloro-1,3-butadiene	87-68-3	6	12	0.2	6
Hexachlorocyclopentadiene	77-47-4	370	45	0.2	45
Hexachloroethane	67-72-1	35	83	0.2	35
Indeno(1,2,3-cd)pyrene	193-39-5	0.6	38,000	0.2	0.6
Isophorone	78-59-1	510	NA	0.2	510
Lead	7439-92-1	400	44,000	1	400
Lindane (gamma-HCH) (gamma-BHC)	58-89-9	0.4	3	0.002	0.4
Manganese	7439-96-5	11,000	91,000	2	11,000
Mercury	7439-97-6	23	27	0.1	23
Methoxychlor	72-43-5	390	NA	0.02	390
Methyl acetate	79-20-9	78,000	NA	0.005	78,000
Methylene chloride (Dichloromethane)	75-09-2	46	34	0.005	34
2-Methylnaphthalene	91-57-6	230	NA	0.17	230
2-Methylphenol (o-Creosol)	95-48-7	310	NA	0.2	310
4-Methylphenol (p-Creosol)	106-44-5	31	NA	0.2	31
Methyl tert-butyl ether (MTBE)	1634-04-4	780	110	0.005	110
Naphthalene	91-20-3	2,400	6	0.2	6
Nickel (Soluble salts)	7440-02-0	1,600	360,000	4	1,600
2-Nitroaniline	88-74-4	NA	39	0.3	39
Nitrobenzene	98-95-3	31	160	0.2	31
N-Nitrosodimethylamine	62-75-9	0.01	0.02	0.7	0.7
N-Nitrosodi-n-propylamine	621-64-7	0.07	0.2	0.2	0.2

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Contaminant	CAS No.	Ingestion-Dermal Health Based Criterion	Inhalation Health Based Criterion	Soil RDL	Residential Direct Contact Soil Remediation Standard
N-Nitrosodiphenylamine	86-30-6	99	NA	0.2	99
Pentachlorophenol	87-86-5	3	590	0.3	3
Phenanthrene	85-01-8	NA	NA	0.2	NA
Phenol	108-95-2	18,000	NA	0.2	18,000
Polychlorinated biphenyls (PCBs)	1336-36-3	0.2	20	0.03	0.2
Pyrene	129-00-0	1,700	NA	0.2	1,700
Selenium	7782-49-2	390	NA	4	390
Silver	7440-22-4	390	NA	1	390
Styrene	100-42-5	16,000	90	0.005	90
Tertiary butyl alcohol (TBA)	75-65-0	1,400	4,800	0.1	1,400
1,1,2,2-Tetrachloroethane	79-34-5	10	1	0.005	1
Tetrachloroethene (PCE) (Tetrachloroethylene)	127-18-4	8	2	0.005	2
Thallium	7440-28-0	5	360,000	3	5
Toluene	108-88-3	6,300	NA	0.005	6,300
Toxaphene	8001-35-2	0.6	70	0.2	0.6
1,2,4-Trichlorobenzene	120-82-1	73	NA	0.005	73
1,1,1-Trichloroethane	71-55-6	290	NA	0.005	290
1,1,2-Trichloroethane	79-00-5	31	2	0.005	2
Trichloroethene (TCE) (Trichloroethylene)	79-01-6	21	7	0.005	7
Trichlorofluoromethane	75-69-4	23,000	NA	0.005	23,000
2,4,5-Trichlorophenol	95-95-4	6,100	NA	0.2	6,100
2,4,6-Trichlorophenol	88-06-2	19	340	0.2	19
Vanadium	7440-62-2	78	NA	5	78
Vinyl chloride	75-01-4	2	0.7	0.005	0.7
Xylenes	1330-20-7	12,000	NA	0.005	12,000
Zinc	7440-66-6	23,000	NA	6	23,000

NA = Standard not available

* The direct contact standard for arsenic is based on natural background

WASTE STREAM TECHNOLOGY, INC.
302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report
Report Date: 07/16/09
Work Order Number: 9G09006

Prepared For
Rick Elia Jr.
Sevenson Environmental Services
2749 Lockport Road
Niagara Falls, NY 14302
Fax: (716) 285-4201

Site: Ventron-Velsicol 1008

Enclosed are the results of analyses for samples received by the laboratory on 07/09/09. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian S. Schepart, Ph.D., Laboratory Director

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757 CTDPH #PH-0306 MADEP #M-NY068

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1008	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	07/16/09 14:16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Amboy Aqq. Clean Sand	9G09006-01	Soil	07/08/09 12:00	07/09/09 10:00

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1008	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	07/16/09 14:16

Metals by EPA 6000/7000 Series Methods

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Amboy Aqq. Clean Sand (9G09006-01) Soil Sampled: 07/08/09 12:00 Received: 07/09/09 10:00									
Silver	ND	0.50	mg/kg dry	1	AG90903	07/09/09	07/09/09	EPA 6010B	
Aluminum	**786**	2.50	"	"	"	"	"	"	
Arsenic	**1.83**	1.70	"	"	"	"	"	"	
Barium	**1.09**	1.00	"	"	"	"	"	"	
Beryllium	ND	0.50	"	"	"	"	"	"	
Cadmium	ND	1.00	"	"	"	"	"	"	
Cobalt	**1.09**	1.00	"	"	"	"	"	"	
Chromium	**3.42**	1.00	"	"	"	"	"	"	
Copper	**2.12**	1.00	"	"	"	"	"	"	
Mercury	ND	0.012	"	"	AG91002	07/10/09	07/10/09	EPA 7471A	
Manganese	**50.1**	1.00	"	"	AG90903	07/09/09	07/09/09	EPA 6010B	
Nickel	**2.66**	1.00	"	"	"	"	"	"	
Lead	ND	4.10	"	"	"	"	"	"	
Antimony	ND	1.40	"	"	"	"	"	"	
Selenium	ND	1.40	"	"	"	"	"	"	
Thallium	ND	1.00	"	"	"	"	"	"	
Vanadium	**4.87**	1.00	"	"	"	"	"	"	
Zinc	**8.01**	4.00	"	"	"	"	"	"	

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1008	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	07/16/09 14:16

Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Amboy Aqg. Clean Sand (9G09006-01) Soil Sampled: 07/08/09 12:00 Received: 07/09/09 10:00									
alpha-BHC [2C]	ND	0.400	ug/kg dry	1	AG91405	07/14/09	07/14/09	8081A/8082	U
Beta-BHC	ND	0.400	"	"	"	"	"	"	U
Gamma-BHC (Lindane)	ND	0.400	"	"	"	"	"	"	U
Delta-BHC	ND	0.400	"	"	"	"	"	"	U
Heptachlor	ND	0.400	"	"	"	"	"	"	U
Aldrin	ND	0.400	"	"	"	"	"	"	U
Heptachlor Epoxide	ND	0.400	"	"	"	"	"	"	U
Endosulfan I	ND	0.400	"	"	"	"	"	"	U
Dieldrin	ND	0.400	"	"	"	"	"	"	U
4,4'-DDE	ND	0.400	"	"	"	"	"	"	U
Endrin	ND	0.400	"	"	"	"	"	"	U
Endosulfan II	ND	0.400	"	"	"	"	"	"	U
4,4'-DDD	ND	0.400	"	"	"	"	"	"	U
Endrin Aldehyde	ND	0.400	"	"	"	"	"	"	U
Endosulfan Sulfate	ND	0.400	"	"	"	"	"	"	U
4,4'-DDT	ND	0.400	"	"	"	"	"	"	U
drin Ketone	ND	0.400	"	"	"	"	"	"	U
thoxychlor	ND	0.400	"	"	"	"	"	"	U
Chlordane	ND	6.70	"	"	"	"	"	"	U
Toxaphene	ND	8.30	"	"	"	"	"	"	U
Aroclor 1016	ND	3.30	"	"	"	"	"	"	U
Aroclor 1221	ND	3.30	"	"	"	"	"	"	U
Aroclor 1232	ND	3.30	"	"	"	"	"	"	U
Aroclor 1242	ND	3.30	"	"	"	"	"	"	U
Aroclor 1248	ND	3.30	"	"	"	"	"	"	U
Aroclor 1254	ND	3.30	"	"	"	"	"	"	U
Aroclor 1260	ND	3.30	"	"	"	"	"	"	U
Surrogate: Tetrachloro-meta-xylene		*102 %*	*82-123*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*106 %*	*56-132*		"	"	"	"	

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1008	Reported:
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	07/16/09 14:16

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Amboy Aqg. Clean Sand (9G09006-01) Soil Sampled: 07/08/09 12:00 Received: 07/09/09 10:00									
dichlorodifluoromethane	ND	10	ug/kg dry	1	AG91304	07/13/09	07/13/09	8260B	U
chloromethane	ND	10	"	"	"	"	"	"	U
vinyl chloride	ND	10	"	"	"	"	"	"	U
bromomethane	ND	10	"	"	"	"	"	"	U
chloroethane	ND	10	"	"	"	"	"	"	U
trichlorofluoromethane	ND	10	"	"	"	"	"	"	U
1,1-dichloroethene	ND	2	"	"	"	"	"	"	U
acetone	ND	10	"	"	"	"	"	"	U
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	7	2	"	"	"	"	"	"	B
Methyl tert-butyl ether	ND	2	"	"	"	"	"	"	U
Acrylonitrile	ND	10	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
2-butanone	ND	10	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
Chloroform	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	ND	2	"	"	"	"	"	"	U
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
benzene	ND	2	"	"	"	"	"	"	U
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	ND	2	"	"	"	"	"	"	U
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	10	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	ND	2	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
tetrachloroethene	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
1,2-dibromoethane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
1,1,1,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
ethylbenzene	ND	2	"	"	"	"	"	"	U
m,p-xylene	ND	4	"	"	"	"	"	"	U
o-xylene	ND	2	"	"	"	"	"	"	U
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
Acrolein	ND	10	"	"	"	"	"	"	U
Methyl Acetate	ND	10	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1008	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	07/16/09 14:16

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Amboy Aqq. Clean Sand (9G09006-01) Soil Sampled: 07/08/09 12:00 Received: 07/09/09 10:00									
Tert-butyl alcohol	ND	100	ug/kg dry	1	AG91304	07/13/09	07/13/09	8260B	U
1,2-dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	U
Surrogate: Dibromofluoromethane		*94.1 %*	*78-115*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.6 %*	*79-118*		"	"	"	"	
Surrogate: Toluene-d8		*94.2 %*	*84-110*		"	"	"	"	
Surrogate: Bromofluorobenzene		*102 %*	*81-118*		"	"	"	"	

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1008	Reported:
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	07/16/09 14:16

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Amboy Aqq. Clean Sand (9G09006-01) Soil Sampled: 07/08/09 12:00 Received: 07/09/09 10:00									
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AG91515	07/15/09	07/15/09	8270C	U
bis(2-chloroethyl)ether	ND	67	"	"	"	"	"	"	U
phenol	ND	130	"	"	"	"	"	"	U
2-chlorophenol	ND	130	"	"	"	"	"	"	U
1,3-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	67	"	"	"	"	"	"	U
benzyl alcohol	ND	67	"	"	"	"	"	"	U
bis(2-chloroisopropyl)ether	ND	67	"	"	"	"	"	"	U
2-methylphenol	ND	67	"	"	"	"	"	"	U
hexachloroethane	ND	67	"	"	"	"	"	"	U
N-Nitrosodi-n-propylamine	ND	67	"	"	"	"	"	"	U
3 & 4-methylphenol	ND	130	"	"	"	"	"	"	U
nitrobenzene	ND	67	"	"	"	"	"	"	U
isophorone	ND	67	"	"	"	"	"	"	U
2-nitrophenol	ND	130	"	"	"	"	"	"	U
2,4-dimethylphenol	ND	130	"	"	"	"	"	"	U
bis(2-chloroethoxy)methane	ND	67	"	"	"	"	"	"	U
benzoic acid	ND	330	"	"	"	"	"	"	U
2,4-dichlorophenol	ND	130	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	67	"	"	"	"	"	"	U
naphthalene	ND	67	"	"	"	"	"	"	U
4-chloroaniline	ND	67	"	"	"	"	"	"	U
hexachlorobutadiene	ND	67	"	"	"	"	"	"	U
4-chloro-3-methylphenol	ND	130	"	"	"	"	"	"	U
2-methylnaphthalene	ND	67	"	"	"	"	"	"	U
hexachlorocyclopentadiene	ND	130	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	130	"	"	"	"	"	"	U
2,4,5-trichlorophenol	ND	67	"	"	"	"	"	"	U
2-chloronaphthalene	ND	67	"	"	"	"	"	"	U
2-nitroaniline	ND	67	"	"	"	"	"	"	U
acenaphthylene	ND	67	"	"	"	"	"	"	U
Dimethyl phthalate	ND	67	"	"	"	"	"	"	U
2,6-dinitrotoluene	ND	67	"	"	"	"	"	"	U
acenaphthene	ND	67	"	"	"	"	"	"	U
3-nitroaniline	ND	67	"	"	"	"	"	"	U
2,4-dinitrophenol	ND	130	"	"	"	"	"	"	U
dibenzofuran	ND	67	"	"	"	"	"	"	U
2,4-dinitrotoluene	ND	67	"	"	"	"	"	"	U
4-nitrophenol	ND	130	"	"	"	"	"	"	U
fluorene	ND	67	"	"	"	"	"	"	U
4-Chlorophenyl phenyl ether	ND	67	"	"	"	"	"	"	U

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1008	Reported:
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	07/16/09 14:16

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Amboy Aqg. Clean Sand (9G09006-01) Soil	**Sampled: 07/08/09 12:00**		**Received: 07/09/09 10:00**						
Diethyl phthalate	ND	67	ug/kg dry	1	AG91515	07/15/09	07/15/09	8270C	U
4-nitroaniline	ND	67	"	"	"	"	"	"	U
4,6-Dinitro-2-methylphenol	ND	130	"	"	"	"	"	"	U
n-nitrosodiphenylamine	ND	67	"	"	"	"	"	"	U
4-bromophenylphenylether	ND	67	"	"	"	"	"	"	U
hexachlorobenzene	ND	67	"	"	"	"	"	"	U
pentachlorophenol	ND	130	"	"	"	"	"	"	U
phenanthrene	ND	67	"	"	"	"	"	"	U
anthracene	ND	67	"	"	"	"	"	"	U
carbazole	ND	67	"	"	"	"	"	"	U
Di-n-butyl phthalate	ND	67	"	"	"	"	"	"	U
benzidine	ND	330	"	"	"	"	"	"	U
fluoranthene	ND	67	"	"	"	"	"	"	U
3,3'-Dichlorobenzidine	ND	67	"	"	"	"	"	"	U
pyrene	ND	67	"	"	"	"	"	"	U
Butyl benzyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (a) anthracene	ND	67	"	"	"	"	"	"	U
Chrysene	ND	67	"	"	"	"	"	"	U
bis(2-ethylhexyl)phthalate	ND	67	"	"	"	"	"	"	U
Di-n-octyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (a) pyrene	ND	67	"	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	67	"	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	67	"	"	"	"	"	"	U
Benzo (g,h,i) perylene	ND	67	"	"	"	"	"	"	U
Acetophenone	ND	67	"	"	"	"	"	"	U
Caprolactam	ND	67	"	"	"	"	"	"	U
1,1'-Biphenyl	ND	67	"	"	"	"	"	"	U
Atrazine	ND	67	"	"	"	"	"	"	U
Benzaldehyde	ND	67	"	"	"	"	"	"	U
1,2-Diphenylhydrazine	ND	67	"	"	"	"	"	"	U
Surrogate: 2-Fluorophenol		*73.1 %*	*59-101*		"	"	"	"	
Surrogate: Phenol-d6		*74.7 %*	*64-105*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*65.6 %*	*58-105*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*78.8 %*	*67-101*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*81.6 %*	*63-108*		"	"	"	"	
Surrogate: Terphenyl-d14		*68.6 %*	*38-133*		"	"	"	"	

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1008	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	07/16/09 14:16

Conventional Chemistry Parameters by EPA Methods

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Amboy Aqq. Clean Sand (9G09006-01) Soil	**Sampled: 07/08/09 12:00 Received: 07/09/09 10:00**								
Cyanide (total)	ND	0.50	mg/kg dry	1	AG91410	07/13/09	07/14/09	EPA 9014	
pH	**8.27**	0.10	pH Units	"	AG91614	07/16/09	07/16/09	EPA 9045C	
% Solids	**94.5**	0.1	%	"	AG91004	07/09/09	07/10/09	% calculation	

Notes and Definitions

U	Analyte included in the analysis, but not detected at or above the reporting limit.
B	Analyte is found in the associated blank as well as in the sample (CLP B-flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CHAIN OF CUSTODY

WASTE STREAM TECHNOLOGY

Waste Stream Technology Inc.
302 Grote Street, Buffalo, NY 14207
(716) 876-5290 • FAX (716) 876-2412

OFFICE USE ONLY
GROUP # 9G09006
DUE DATE

PAGE one OF one

REPORT TO:
Severson Environmental
lab 1008
Wood-Ridge old
CONTACT Rick Elia
PH.# (201) 933-0019
FAX # (201) 933-1996
BILL TO:
Severson Environ
PO #
FO 187960
PROJECT DESCRIPTION
Ventron Vertical
SAMPLER SIGNATURE
SAMPLE I.D.

DW DRINKING WATER
GW GROUND WATER
SW SURFACE WATER
WW WASTE WATER
O OIL
SL SLUDGE
SO SOIL
S SOLID
W WIPE
OTHER

TURN AROUND TIME: 5 day
QUOTATION NUMBER:

ARE SPECIAL DETECTION LIMITS REQUIRED: YES NO
If yes please attach requirements

Is a QC Package required: YES NO
If yes please attach requirements.

ANALYSES TO BE PERFORMED

	SAMPLE I.D.	DATE SAMPLED	TIME OF SAMPLING	SAMPLE TYPE	TOTAL NO. OF CONTAINERS	NJ DEP Residential Clean	PH	TYPE OF CONTAINER/ COMMENTS:	OFFICE USE ONLY WST. I.D.
1	Embay Agg · Clean Sand	7/8	12:05	Sa	3	✓	✓	2lg · 1sm Jar	-01
2									
3									
4									
5									
6									
7									
8									
9									
10									

REMARKS:
New Jersey DEP Residential Clean Soil

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
1330	7/8/09	12:05 PM	Anthony Vaks	7/9/09	10:00
RELINQUISHED BY:	DATE: / /	TIME:	RECEIVED BY:	DATE: / /	TIME:

Attachment 4 – Results of Sampling of Contact Water

Parameter	Units	Analytical Method		20101007FT1V03N		20101007FT1V03D		20101007FT2V03N	
				Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit
Total Metals									
Silver	ug/L	SW846	6010B	ND	5	ND	5	ND	5.0
Aluminum	ug/L	SW846	6010B	890	200	342	200	780	200
Arsenic	ug/L	SW846	6010B	ND	10	ND	10	ND	10
Barium	ug/L	SW846	6010B	80.6 B	200	73 B	200	77.5 B	200
Beryllium	ug/L	SW846	6010B	0.37 B	4	0.24 B	4	0.31B	4.0
Calcium	ug/L	SW846	6010B	70800	5000	71500	5000	69200	5000
Cadmium	ug/L	SW846	6010B	ND	5	ND	5	ND	5
Cobalt	ug/L	SW846	6010B	0.97 B	50	1 B	50	1.1 B	50
Chromium	ug/L	SW846	6010B	7.1	5	5.2	5	6.6	5.0
Copper	ug/L	SW846	6010B	18.7 B	25	15.8 B	25	17.2 B	25
Iron	ug/L	SW846	6010B	1290	100	452	100	1060	100
Potassium	ug/L	SW846	6010B	12000	5000	11800	5000	11600	5000
Magnesium	ug/L	SW846	6010B	6680	5000	6640	5000	6500	5000
Manganese	ug/L	SW846	6010B	221	15	217	15	213	15
Sodium	ug/L	SW846	6010B	42100	5000	42800	5000	41300	5000
Nickel	ug/L	SW846	6010B	7.6 B	40	6.6 B	40	6.9 B	40
Lead	ug/L	SW846	6010B	12	3	10.4 B	3	11	3.0
Antimony	ug/L	SW846	6010B	2.7 B	10	3	10	2.4 B	10
Selenium	ug/L	SW846	6010B	ND	5	ND	5	ND	5.0
Thallium	ug/L	SW846	6010B	3.4 B	10	ND	10	ND	10
Vanadium	ug/L	SW846	6010B	23.2 B	50	23.6 B	50	24.1 B	50
Zinc	ug/L	SW846	6010B	68.5	20	60.8	20	62.1	20
Mercury	ug/L	SW846	7470A	114	5	122	5	143	5.0
TCLP Metals									
Silver TCLP	mg/L	SW846	6010B	ND	0.05	ND	0.05	ND	0.05
Arsenic TCLP	mg/L	SW846	6010B	ND	0.1	ND	0.1	ND	0.1
Barium TCLP	mg/L	SW846	6010B	0.055 B	2	0.053 B	2	0.049 B	2
Cadmium TCLP	mg/L	SW846	6010B	ND	0.05	ND	0.05	ND	0.05
Chromium TCLP	mg/L	SW846	6010B	ND	0.05	ND	0.05	ND	0.05
Lead TCLP	mg/L	SW846	6010B	ND	0.03	ND	0.03	ND	0.03
Selenium TCLP	mg/L	SW846	6010B	ND	0.05	ND	0.05	ND	0.05
Mercury TCLP	mg/L	SW846	7470A	0.012	0.001	0.012	0.001	0.012	0.0010
Organochlorine Pesticides									
Aldrin	ug/L	SW846	8081A	0.1	0.048	0.10	0.05	ND	0.048
alpha-BHC	ug/L	SW846	8081A	ND	0.048	0.13	0.05	ND	0.048
beta-BHC	ug/L	SW846	8081A	ND	0.048	ND	0.05	ND	0.048
delta-BHC	ug/L	SW846	8081A	ND	0.048	ND	0.05	ND	0.048
gamma-BHC (Lindane)	ug/L	SW846	8081A	0.088PG	0.048	0.063	0.05	0.054 PG	0.048
alpha-Chlordane	ug/L	SW846	8081A	ND	0.048	ND	0.05	0.04 J	0.048
gamma-Chlordane	ug/L	SW846	8081A	ND	0.048	ND	0.05	ND	0.048
4,4'-DDD	ug/L	SW846	8081A	ND	0.048	ND	0.05	ND	0.048
4,4'-DDE	ug/L	SW846	8081A	ND	0.048	ND	0.05	ND	0.048
4,4'-DDT	ug/L	SW846	8081A	ND	0.048	ND	0.05	ND	0.048
Dieldrin	ug/L	SW846	8081A	ND	0.048	ND	0.05	ND	0.048
Endosulfan I	ug/L	SW846	8081A	ND	0.048	ND	0.05	ND	0.048
Endosulfan II	ug/L	SW846	8081A	0.042 J,PG	0.048	0.042 J,PG	0.05	ND	0.048
Endosulfan sulfate	ug/L	SW846	8081A	ND	0.048	ND	0.05	ND	0.048
Endrin	ug/L	SW846	8081A	ND	0.048	ND	0.05	ND	0.048
Endrin aldehyde	ug/L	SW846	8081A	ND	0.048	ND	0.05	ND	0.048
Endrin ketone	ug/L	SW846	8081A	ND	0.048	ND	0.05	ND	0.048
Heptachlor	ug/L	SW846	8081A	0.06 PG	0.048	0.087	0.05	ND	0.048
Heptachlor epoxide	ug/L	SW846	8081A	ND	0.048	ND	0.05	0.049	0.048
Methoxychlor	ug/L	SW846	8081A	ND	0.095	ND	0.1	ND	0.095
Toxaphene	ug/L	SW846	8081A	ND	1.9	ND	2	ND	1.9

Parameter	Units	Analytical Method		20101007FT1V03N		20101007FT1V03D		20101007FT2V03N	
				Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit
PCBs									
Aroclor 1016	ug/L	SW846	8082	ND	0.38	ND	0.4	ND	0.38
Aroclor 1221	ug/L	SW846	8082	ND	0.38	ND	0.4	ND	0.38
Aroclor 1232	ug/L	SW846	8082	ND	0.38	ND	0.4	ND	0.38
Aroclor 1242	ug/L	SW846	8082	ND	0.38	ND	0.4	ND	0.38
Aroclor 1248	ug/L	SW846	8082	ND	0.38	ND	0.4	ND	0.38
Aroclor 1254	ug/L	SW846	8082	ND	0.38	ND	0.4	ND	0.38
Aroclor 1260	ug/L	SW846	8082	ND	0.38	ND	0.4	ND	0.38
Aroclor 1262	ug/L	SW846	8082	ND	0.38	ND	0.4	ND	0.38
Aroclor 1268	ug/L	SW846	8082	ND	0.38	ND	0.4	ND	0.38
Volatile Organic Compounds									
Isopropylbenzene	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Tetrachloroethene	ug/L	SW846	8260B	ND	5	ND	5	ND	5
2-Hexanone	ug/L	SW846	8260B	ND	5	ND	5	ND	5
4-Methyl-2-pentanone	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Bromomethane	ug/L	SW846	8260B	ND	5	ND	5	ND	5
2-Butanone	ug/L	SW846	8260B	ND	5	ND	5	ND	5
1,2-Dibromo-3-chloropropane	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Chloroethane	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Chloromethane	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Dichlorodifluoromethane	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Trichlorofluoromethane	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Vinyl chloride	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Cyclohexane	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Methylacetate	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Methylcyclohexane	ug/L	SW846	8260B	ND	5	ND	5	ND	5
1,1,2-Trichloro 1,2,2-trifluoroethane	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Methyltert-butyl ether	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Xylenes (total)	ug/L	SW846	8260B	ND	15	ND	15	ND	15
cis-1,2-Dichloroethene	ug/L	SW846	8260B	ND	5	ND	5	ND	5
trans-1,2-Dichloroethene	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Acetone	ug/L	SW846	8260B	ND	20	ND	20	ND	20
Benzene	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Bromodichloromethane	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Bromoform	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Carbon disulfide	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Carbon tetrachloride	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Chlorobenzene	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Dibromochloromethane	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Chloroform	ug/L	SW846	8260B	ND	5	ND	5	ND	5
1,2-Dibromoethane	ug/L	SW846	8260B	ND	5	ND	5	ND	5
1,2-Dichlorobenzene	ug/L	SW846	8260B	ND	5	ND	5	ND	5
1,3-Dichlorobenzene	ug/L	SW846	8260B	ND	5	ND	5	ND	5
1,4-Dichlorobenzene	ug/L	SW846	8260B	ND	5	ND	5	ND	5
1,1-Dichloroethane	ug/L	SW846	8260B	ND	5	ND	5	ND	5
1,2-Dichloroethane	ug/L	SW846	8260B	ND	5	ND	5	ND	5
1,1-Dichloroethene	ug/L	SW846	8260B	ND	5	ND	5	ND	5
1,2-Dichloropropane	ug/L	SW846	8260B	ND	5	ND	5	ND	5
cis-1,3-Dichloropropene	ug/L	SW846	8260B	ND	5	ND	5	ND	5
trans-1,3-Dichloropropene	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Ethylbenzene	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Methylenechloride	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Styrene	ug/L	SW846	8260B	ND	5	ND	5	ND	5
1,1,2,2-Tetrachloroethane	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Toluene	ug/L	SW846	8260B	ND	5	ND	5	ND	5
1,2,4-Trichlorobenzene	ug/L	SW846	8260B	ND	5	ND	5	ND	5

Parameter	Units	Analytical Method		20101007FT1V03N		20101007FT1V03D		20101007FT2V03N	
				Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit
1,1,1-Trichloroethane	ug/L	SW846	8260B	ND	5	ND	5	ND	5
1,1,2-Trichloroethane	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Trichloroethene	ug/L	SW846	8260B	ND	5	ND	5	ND	5
Semi-Volatile Organic Compounds									
Caprolactam	ug/L	SW846	8270C	ND	48	ND	50	ND	48
Acetophenone	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
Atrazine	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
Benzaldehyde	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
1,1'-Biphenyl	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
Acenaphthene	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
Acenaphthylene	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
Anthracene	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
Benzo(a)anthracene	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
Benzo(b)fluoranthene	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
Benzo(k)fluoranthene	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
Benzo(ghi)perylene	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
Benzo(a)pyrene	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
bis(2-Chloroethyl)ether	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
2-Chloronaphthalene	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
Chrysene	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
Dibenz(a,h)anthracene	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
3,3'-Dichlorobenzidine	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
2,4-Dichlorophenol	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
Fluoranthene	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
Fluorene	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
Hexachlorobenzene	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
Hexachlorobutadiene	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
Hexachlorocyclopentadiene	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
Indeno(1,2,3-cd)pyrene	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
2-Methylnaphthalene	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
Naphthalene	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
Nitrobenzene	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
N-Nitrosodi-n-propylamine	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
N-Nitrosodiphenylamine	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
Pentachlorophenol	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
Phenanthrene	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
Phenol	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
Pyrene	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
Carbazole	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
2,2'-oxybis (1-Chloropropane)	ug/L	SW846	8270C	ND	1.9	ND	2	ND	1.9
bis(2-Chloroethoxy) methane	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
bis(2-Ethylhexyl)phthalate	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
4-Bromophenyl phenyl ether	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
Butyl benzyl phthalate	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
4-Chloroaniline	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
4-Chloro-3-methylphenol	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
2-Chlorophenol	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
4-Chlorophenyl phenyl ether	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
Dibenzofuran	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
Di-n-butylphthalate	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
Diethylphthalate	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
2,4-Dimethylphenol	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
Dimethylphthalate	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
Di-n-octylphthalate	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
4,6-Dinitro2-methylphenol	ug/L	SW846	8270C	ND	48	ND	50	ND	48
2,4-Dinitrophenol	ug/L	SW846	8270C	ND	48	ND	50	ND	48

Parameter	Units	Analytical Method		20101007FT1V03N		20101007FT1V03D		20101007FT2V03N	
				Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit
2,4-Dinitrotoluene	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
2,6-Dinitrotoluene	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
Hexachloroethane	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
Isophorone	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
2-Methylphenol	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
4-Methylphenol	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
2-Nitroaniline	ug/L	SW846	8270C	ND	48	ND	50	ND	48
3-Nitroaniline	ug/L	SW846	8270C	ND	48	ND	50	ND	48
4-Nitroaniline	ug/L	SW846	8270C	ND	48	ND	50	ND	48
2-Nitrophenol	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
4-Nitrophenol	ug/L	SW846	8270C	ND	48	ND	50	ND	48
2,4,5-Trichlorophenol	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
2,4,6-Trichlorophenol	ug/L	SW846	8270C	ND	9.6	ND	10	ND	9.5
Inorganics									
Cyanide, total	ug/L	SW846	9012A	ND	10.0	ND	10.0	ND	10.0
pH, aqueous				8.7	0.10	8.7	0.10	8.7	0.10
Ignitability	F	SW846	1010	>200		>200		>200	
Sulfides	mg/L	SW846	9030B/9034	0.8B	3	ND	3	ND	3.0

B - Estimated Result. Result is less than the reporting limit

J - Estimated Result. Result is less than the reporting limit

PG - The percent difference between the original and the confirmation analysis is greater than 40%.

TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Parsons Corporation PAGE 1

Lot #: C0J090405 Rohm&Haas, VV, OU1 **Date Reported:** 10/20/10

Project Number: 442931

PARAMETER		RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 20101007FT1V03N						
Sample #: 001 Date Sampled: 10/07/10 12:00 Date Received: 10/08/10 Matrix: WATER						
Trace Inductively Coupled Plasma (ICP) Metals						Reviewed
Silver		ND	5.0	ug/L	SW846 6010B	
Aluminum		**890**	**200**	**ug/L**	**SW846 6010B**	
Arsenic		ND	10.0	ug/L	SW846 6010B	
Barium		**80.6 B**	**200**	**ug/L**	**SW846 6010B**	
Beryllium		**0.37 B**	**4.0**	**ug/L**	**SW846 6010B**	
Calcium		**70800**	**5000**	**ug/L**	**SW846 6010B**	
Cadmium		ND	5.0	ug/L	SW846 6010B	
Cobalt		**0.97 B**	**50.0**	**ug/L**	**SW846 6010B**	
Chromium		**7.1**	**5.0**	**ug/L**	**SW846 6010B**	
Copper		**18.7 B**	**25.0**	**ug/L**	**SW846 6010B**	
Iron		**1290**	**100**	**ug/L**	**SW846 6010B**	
Potassium		**12000**	**5000**	**ug/L**	**SW846 6010B**	
Magnesium		**6680**	**5000**	**ug/L**	**SW846 6010B**	
Manganese		**221**	**15.0**	**ug/L**	**SW846 6010B**	
Sodium		**42100**	**5000**	**ug/L**	**SW846 6010B**	
Nickel		**7.6 B**	**40.0**	**ug/L**	**SW846 6010B**	
Lead		**12.0**	**3.0**	**ug/L**	**SW846 6010B**	
Antimony		**2.7 B**	**10.0**	**ug/L**	**SW846 6010B**	
Selenium		ND	5.0	ug/L	SW846 6010B	
Thallium		**3.4 B**	**10.0**	**ug/L**	**SW846 6010B**	
Vanadium		**23.2 B**	**50.0**	**ug/L**	**SW846 6010B**	
Zinc		**68.5**	**20.0**	**ug/L**	**SW846 6010B**	
Silver	TCLP	ND	0.050	mg/L	SW846 6010B	
Arsenic	TCLP	ND	0.10	mg/L	SW846 6010B	
Barium	**TCLP**	**0.055 B**	**2.0**	**mg/L**	**SW846 6010B**	
Cadmium	TCLP	ND	0.050	mg/L	SW846 6010B	
Chromium	TCLP	ND	0.050	mg/L	SW846 6010B	
Lead	TCLP	ND	0.030	mg/L	SW846 6010B	
Selenium	TCLP	ND	0.050	mg/L	SW846 6010B	
Mercury in Liquid Waste (Manual Cold-Vapor) TCLP						Reviewed
Mercury	**TCLP**	**0.012**	**0.0010**	**mg/L**	**SW846 7470A**	
Mercury		**114**	**5.0**	**ug/L**	**SW846 7470A**	

B Estimated result. Result is less than RL.

(Continued on next page)

TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Parsons Corporation

Lot #: C0J090405 Rohm&Haas, VV, OU1 **Date Reported:** 10/20/10

Project Number: 442931

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 20101007FT1V03N					
Sample #: 001 Date Sampled: 10/07/10 12:00 Date Received: 10/08/10 Matrix: WATER					
Organochlorine Pesticides					Reviewed
Aldrin	**0.10**	**0.048**	**ug/L**	**SW846 8081A**	
alpha-BHC	ND	0.048	ug/L	SW846 8081A	
beta-BHC	ND	0.048	ug/L	SW846 8081A	
delta-BHC	ND	0.048	ug/L	SW846 8081A	
gamma-BHC (Lindane)	**0.088 PG**	**0.048**	**ug/L**	**SW846 8081A**	
alpha-Chlordane	ND	0.048	ug/L	SW846 8081A	
gamma-Chlordane	ND	0.048	ug/L	SW846 8081A	
4,4'-DDD	ND	0.048	ug/L	SW846 8081A	
4,4'-DDE	ND	0.048	ug/L	SW846 8081A	
4,4'-DDT	ND	0.048	ug/L	SW846 8081A	
Dieldrin	ND	0.048	ug/L	SW846 8081A	
Endosulfan I	ND	0.048	ug/L	SW846 8081A	
Endosulfan II	**0.042 J,PG**	**0.048**	**ug/L**	**SW846 8081A**	
Endosulfan sulfate	ND	0.048	ug/L	SW846 8081A	
Endrin	ND	0.048	ug/L	SW846 8081A	
Endrin aldehyde	ND	0.048	ug/L	SW846 8081A	
Endrin ketone	ND	0.048	ug/L	SW846 8081A	
Heptachlor	**0.060 PG**	**0.048**	**ug/L**	**SW846 8081A**	
Heptachlor epoxide	ND	0.048	ug/L	SW846 8081A	
Methoxychlor	ND	0.095	ug/L	SW846 8081A	
Toxaphene	ND	1.9	ug/L	SW846 8081A	

PG The percent difference between the original and confirmation analyses is greater than 40%.

J Estimated result. Result is less than RL.

PCBs by SW-846 8082					Reviewed
Aroclor 1016	ND	0.38	ug/L	SW846 8082	
Aroclor 1221	ND	0.38	ug/L	SW846 8082	
Aroclor 1232	ND	0.38	ug/L	SW846 8082	
Aroclor 1242	ND	0.38	ug/L	SW846 8082	
Aroclor 1248	ND	0.38	ug/L	SW846 8082	
Aroclor 1254	ND	0.38	ug/L	SW846 8082	
Aroclor 1260	ND	0.38	ug/L	SW846 8082	
Aroclor 1262	ND	0.38	ug/L	SW846 8082	
Aroclor 1268	ND	0.38	ug/L	SW846 8082	

(Continued on next page)

TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: C0J090405

Parsons Corporation
Rohm&Haas, VV, OU1
Project Number: 442931

Date Reported: 10/20/10

Client Sample ID: 20101007FT1V03N
Sample #: 001 Date Sampled: 10/07/10 12:00 Date Received: 10/08/10 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					Reviewed
Isopropylbenzene	ND	5.0	ug/L	SW846 8260B	
Tetrachloroethene	ND	5.0	ug/L	SW846 8260B	
2-Hexanone	ND	5.0	ug/L	SW846 8260B	
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B	
Bromomethane	ND	5.0	ug/L	SW846 8260B	
2-Butanone	ND	5.0	ug/L	SW846 8260B	
1,2-Dibromo-3-chloro-propane	ND	5.0	ug/L	SW846 8260B	
Chloroethane	ND	5.0	ug/L	SW846 8260B	
Chloromethane	ND	5.0	ug/L	SW846 8260B	
Dichlorodifluoromethane	ND	5.0	ug/L	SW846 8260B	
Trichlorofluoromethane	ND	5.0	ug/L	SW846 8260B	
Vinyl chloride	ND	5.0	ug/L	SW846 8260B	
Cyclohexane	ND	5.0	ug/L	SW846 8260B	
Methyl acetate	ND	5.0	ug/L	SW846 8260B	
Methylcyclohexane	ND	5.0	ug/L	SW846 8260B	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L	SW846 8260B	
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B	
Xylenes (total)	ND	15	ug/L	SW846 8260B	
cis-1,2-Dichloroethene	ND	5.0	ug/L	SW846 8260B	
trans-1,2-Dichloroethene	ND	5.0	ug/L	SW846 8260B	
Acetone	ND	20	ug/L	SW846 8260B	
Benzene	ND	5.0	ug/L	SW846 8260B	
Bromodichloromethane	ND	5.0	ug/L	SW846 8260B	
Bromoform	ND	5.0	ug/L	SW846 8260B	
Carbon disulfide	ND	5.0	ug/L	SW846 8260B	
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260B	
Chlorobenzene	ND	5.0	ug/L	SW846 8260B	
Dibromochloromethane	ND	5.0	ug/L	SW846 8260B	
Chloroform	ND	5.0	ug/L	SW846 8260B	
1,2-Dibromoethane	ND	5.0	ug/L	SW846 8260B	
1,2-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B	
1,3-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B	
1,4-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B	
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B	

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TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: C0J090405

Parsons Corporation
Rohm&Haas, VV, OU1
Project Number: 442931

Date Reported: 10/20/10

Client Sample ID: 20101007FT1V03N
Sample #: 001 Date Sampled: 10/07/10 12:00 Date Received: 10/08/10 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					Reviewed
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260B	
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260B	
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B	
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B	
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B	
Ethylbenzene	ND	5.0	ug/L	SW846 8260B	
Methylene chloride	ND	5.0	ug/L	SW846 8260B	
Styrene	ND	5.0	ug/L	SW846 8260B	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B	
Toluene	ND	5.0	ug/L	SW846 8260B	
1,2,4-Trichlorobenzene	ND	5.0	ug/L	SW846 8260B	
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B	
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B	
Trichloroethene	ND	5.0	ug/L	SW846 8260B	
Semivolatile Organic Compounds by GC/MS					Reviewed
Caprolactam	ND	48	ug/L	SW846 8270C	
Acetophenone	ND	9.6	ug/L	SW846 8270C	
Atrazine	ND	9.6	ug/L	SW846 8270C	
Benzaldehyde	ND	9.6	ug/L	SW846 8270C	
1,1'-Biphenyl	ND	9.6	ug/L	SW846 8270C	
Acenaphthene	ND	1.9	ug/L	SW846 8270C	
Acenaphthylene	ND	1.9	ug/L	SW846 8270C	
Anthracene	ND	1.9	ug/L	SW846 8270C	
Benzo(a)anthracene	ND	1.9	ug/L	SW846 8270C	
Benzo(b)fluoranthene	ND	1.9	ug/L	SW846 8270C	
Benzo(k)fluoranthene	ND	1.9	ug/L	SW846 8270C	
Benzo(ghi)perylene	ND	1.9	ug/L	SW846 8270C	
Benzo(a)pyrene	ND	1.9	ug/L	SW846 8270C	
bis(2-Chloroethyl)-ether	ND	1.9	ug/L	SW846 8270C	
2-Chloronaphthalene	ND	1.9	ug/L	SW846 8270C	
Chrysene	ND	1.9	ug/L	SW846 8270C	
Dibenz(a,h)anthracene	ND	1.9	ug/L	SW846 8270C	
3,3'-Dichlorobenzidine	ND	9.6	ug/L	SW846 8270C	

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TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: C0J090405

Parsons Corporation
Rohm&Haas, VV, OU1
Project Number: 442931

Date Reported: 10/20/10

Client Sample ID: 20101007FT1V03N
Sample #: 001 Date Sampled: 10/07/10 12:00 Date Received: 10/08/10 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Semivolatile Organic Compounds by GC/MS					Reviewed
2,4-Dichlorophenol	ND	1.9	ug/L	SW846 8270C	
Fluoranthene	ND	1.9	ug/L	SW846 8270C	
Fluorene	ND	1.9	ug/L	SW846 8270C	
Hexachlorobenzene	ND	1.9	ug/L	SW846 8270C	
Hexachlorobutadiene	ND	1.9	ug/L	SW846 8270C	
Hexachlorocyclopenta-diene	ND	9.6	ug/L	SW846 8270C	
Indeno(1,2,3-cd)pyrene	ND	1.9	ug/L	SW846 8270C	
2-Methylnaphthalene	ND	1.9	ug/L	SW846 8270C	
Naphthalene	ND	1.9	ug/L	SW846 8270C	
Nitrobenzene	ND	1.9	ug/L	SW846 8270C	
N-Nitrosodi-n-propyl-amine	ND	1.9	ug/L	SW846 8270C	
N-Nitrosodiphenylamine	ND	1.9	ug/L	SW846 8270C	
Pentachlorophenol	ND	9.6	ug/L	SW846 8270C	
Phenanthrene	ND	1.9	ug/L	SW846 8270C	
Phenol	ND	1.9	ug/L	SW846 8270C	
Pyrene	ND	1.9	ug/L	SW846 8270C	
Carbazole	ND	1.9	ug/L	SW846 8270C	
2,2'-oxybis (1-Chloropropane)	ND	1.9	ug/L	SW846 8270C	
bis(2-Chloroethoxy) methane	ND	9.6	ug/L	SW846 8270C	
bis(2-Ethylhexyl) phthalate	ND	9.6	ug/L	SW846 8270C	
4-Bromophenyl phenyl ether	ND	9.6	ug/L	SW846 8270C	
Butyl benzyl phthalate	ND	9.6	ug/L	SW846 8270C	
4-Chloroaniline	ND	9.6	ug/L	SW846 8270C	
4-Chloro-3-methylphenol	ND	9.6	ug/L	SW846 8270C	
2-Chlorophenol	ND	9.6	ug/L	SW846 8270C	
4-Chlorophenyl phenyl ether	ND	9.6	ug/L	SW846 8270C	
Dibenzofuran	ND	9.6	ug/L	SW846 8270C	
Di-n-butyl phthalate	ND	9.6	ug/L	SW846 8270C	
Diethyl phthalate	ND	9.6	ug/L	SW846 8270C	
2,4-Dimethylphenol	ND	9.6	ug/L	SW846 8270C	

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TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: C0J090405

Parsons Corporation
Rohm&Haas, VV, OU1
Project Number: 442931

Date Reported: 10/20/10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 20101007FT1V03N					
Sample #: 001 Date Sampled: 10/07/10 12:00 Date Received: 10/08/10 Matrix: WATER					
Semivolatile Organic Compounds by GC/MS					Reviewed
Dimethyl phthalate	ND	9.6	ug/L	SW846 8270C	
Di-n-octyl phthalate	ND	9.6	ug/L	SW846 8270C	
4,6-Dinitro-2-methylphenol	ND	48	ug/L	SW846 8270C	
2,4-Dinitrophenol	ND	48	ug/L	SW846 8270C	
2,4-Dinitrotoluene	ND	9.6	ug/L	SW846 8270C	
2,6-Dinitrotoluene	ND	9.6	ug/L	SW846 8270C	
Hexachloroethane	ND	9.6	ug/L	SW846 8270C	
Isophorone	ND	9.6	ug/L	SW846 8270C	
2-Methylphenol	ND	9.6	ug/L	SW846 8270C	
4-Methylphenol	ND	9.6	ug/L	SW846 8270C	
2-Nitroaniline	ND	48	ug/L	SW846 8270C	
3-Nitroaniline	ND	48	ug/L	SW846 8270C	
4-Nitroaniline	ND	48	ug/L	SW846 8270C	
2-Nitrophenol	ND	9.6	ug/L	SW846 8270C	
4-Nitrophenol	ND	48	ug/L	SW846 8270C	
2,4,5-Trichloro-phenol	ND	9.6	ug/L	SW846 8270C	
2,4,6-Trichloro-phenol	ND	9.6	ug/L	SW846 8270C	
Inorganic Analysis					Reviewed
Cyanide, Total	ND	10.0	ug/L	SW846 9012A	
Pensky-Martens Method for Determining Ignitability	**>200**		**deg F**	**SW846 1010**	
pH Aqueous	**8.7**	**0.10**	**--**	**SW846 9040C**	
Sulfides, Total 9030B/9034	**0.80 B**	**3.0**	**mg/L**	**SW846 9030B/9034**	

B Estimated result. Result is less than RL.

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TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: C0J090405

Parsons Corporation
Rohm&Haas, VV, OU1
Project Number: 442931

Date Reported: 10/20/10

Client Sample ID: 20101007FT1V03D
Sample #: 002 Date Sampled: 10/07/10 12:30 Date Received: 10/08/10 Matrix: WATER

PARAMETER		RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Trace Inductively Coupled Plasma (ICP) Metals						Reviewed
Silver		ND	5.0	ug/L	SW846 6010B	
Aluminum		**342**	**200**	**ug/L**	**SW846 6010B**	
Arsenic		ND	10.0	ug/L	SW846 6010B	
Barium		**73.0 B**	**200**	**ug/L**	**SW846 6010B**	
Beryllium		**0.24 B**	**4.0**	**ug/L**	**SW846 6010B**	
Calcium		**71500**	**5000**	**ug/L**	**SW846 6010B**	
Cadmium		ND	5.0	ug/L	SW846 6010B	
Cobalt		**1.0 B**	**50.0**	**ug/L**	**SW846 6010B**	
Chromium		**5.2**	**5.0**	**ug/L**	**SW846 6010B**	
Copper		**15.8 B**	**25.0**	**ug/L**	**SW846 6010B**	
Iron		**452**	**100**	**ug/L**	**SW846 6010B**	
Potassium		**11800**	**5000**	**ug/L**	**SW846 6010B**	
Magnesium		**6640**	**5000**	**ug/L**	**SW846 6010B**	
Manganese		**217**	**15.0**	**ug/L**	**SW846 6010B**	
Sodium		**42800**	**5000**	**ug/L**	**SW846 6010B**	
Nickel		**6.6 B**	**40.0**	**ug/L**	**SW846 6010B**	
Lead		**10.4**	**3.0**	**ug/L**	**SW846 6010B**	
Antimony		**3.0 B**	**10.0**	**ug/L**	**SW846 6010B**	
Selenium		ND	5.0	ug/L	SW846 6010B	
Thallium		ND	10.0	ug/L	SW846 6010B	
Vanadium		**23.6 B**	**50.0**	**ug/L**	**SW846 6010B**	
Zinc		**60.8**	**20.0**	**ug/L**	**SW846 6010B**	
Silver	TCLP	ND	0.050	mg/L	SW846 6010B	
Arsenic	TCLP	ND	0.10	mg/L	SW846 6010B	
Barium	**TCLP**	**0.053 B**	**2.0**	**mg/L**	**SW846 6010B**	
Cadmium	TCLP	ND	0.050	mg/L	SW846 6010B	
Chromium	TCLP	ND	0.050	mg/L	SW846 6010B	
Lead	TCLP	ND	0.030	mg/L	SW846 6010B	
Selenium	TCLP	ND	0.050	mg/L	SW846 6010B	
Mercury in Liquid Waste (Manual Cold-Vapor)	TCLP					Reviewed
Mercury	**TCLP**	**0.012**	**0.0010**	**mg/L**	**SW846 7470A**	
Mercury		**122**	**5.0**	**ug/L**	**SW846 7470A**	

B Estimated result. Result is less than RL.

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TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: C0J090405

Parsons Corporation
Rohm&Haas, VV, OU1
Project Number: 442931

Date Reported: 10/20/10

Client Sample ID: 20101007FT1V03D
Sample #: 002 Date Sampled: 10/07/10 12:30 Date Received: 10/08/10 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Organochlorine Pesticides					Reviewed
Aldrin	**0.10**	**0.050**	**ug/L**	**SW846 8081A**	
alpha-BHC	**0.13**	**0.050**	**ug/L**	**SW846 8081A**	
beta-BHC	ND	0.050	ug/L	SW846 8081A	
delta-BHC	ND	0.050	ug/L	SW846 8081A	
gamma-BHC (Lindane)	**0.063**	**0.050**	**ug/L**	**SW846 8081A**	
alpha-Chlordane	ND	0.050	ug/L	SW846 8081A	
gamma-Chlordane	ND	0.050	ug/L	SW846 8081A	
4,4'-DDD	ND	0.050	ug/L	SW846 8081A	
4,4'-DDE	ND	0.050	ug/L	SW846 8081A	
4,4'-DDT	ND	0.050	ug/L	SW846 8081A	
Dieldrin	ND	0.050	ug/L	SW846 8081A	
Endosulfan I	ND	0.050	ug/L	SW846 8081A	
Endosulfan II	**0.042 J,PG**	**0.050**	**ug/L**	**SW846 8081A**	
Endosulfan sulfate	ND	0.050	ug/L	SW846 8081A	
Endrin	ND	0.050	ug/L	SW846 8081A	
Endrin aldehyde	ND	0.050	ug/L	SW846 8081A	
Endrin ketone	ND	0.050	ug/L	SW846 8081A	
Heptachlor	**0.087**	**0.050**	**ug/L**	**SW846 8081A**	
Heptachlor epoxide	ND	0.050	ug/L	SW846 8081A	
Methoxychlor	ND	0.10	ug/L	SW846 8081A	
Toxaphene	ND	2.0	ug/L	SW846 8081A	

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

PCBs by SW-846 8082					Reviewed
Aroclor 1016	ND	0.40	ug/L	SW846 8082	
Aroclor 1221	ND	0.40	ug/L	SW846 8082	
Aroclor 1232	ND	0.40	ug/L	SW846 8082	
Aroclor 1242	ND	0.40	ug/L	SW846 8082	
Aroclor 1248	ND	0.40	ug/L	SW846 8082	
Aroclor 1254	ND	0.40	ug/L	SW846 8082	
Aroclor 1260	ND	0.40	ug/L	SW846 8082	
Aroclor 1262	ND	0.40	ug/L	SW846 8082	
Aroclor 1268	ND	0.40	ug/L	SW846 8082	

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TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: C0J090405

Parsons Corporation
Rohm&Haas, VV, OU1
Project Number: 442931

Date Reported: 10/20/10

Client Sample ID: 20101007FT1V03D
Sample #: 002 Date Sampled: 10/07/10 12:30 Date Received: 10/08/10 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					Reviewed
Isopropylbenzene	ND	5.0	ug/L	SW846 8260B	
Tetrachloroethene	ND	5.0	ug/L	SW846 8260B	
2-Hexanone	ND	5.0	ug/L	SW846 8260B	
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B	
Bromomethane	ND	5.0	ug/L	SW846 8260B	
2-Butanone	ND	5.0	ug/L	SW846 8260B	
1,2-Dibromo-3-chloro-propane	ND	5.0	ug/L	SW846 8260B	
Chloroethane	ND	5.0	ug/L	SW846 8260B	
Chloromethane	ND	5.0	ug/L	SW846 8260B	
Dichlorodifluoromethane	ND	5.0	ug/L	SW846 8260B	
Trichlorofluoromethane	ND	5.0	ug/L	SW846 8260B	
Vinyl chloride	ND	5.0	ug/L	SW846 8260B	
Cyclohexane	ND	5.0	ug/L	SW846 8260B	
Methyl acetate	ND	5.0	ug/L	SW846 8260B	
Methylcyclohexane	ND	5.0	ug/L	SW846 8260B	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L	SW846 8260B	
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B	
Xylenes (total)	ND	15	ug/L	SW846 8260B	
cis-1,2-Dichloroethene	ND	5.0	ug/L	SW846 8260B	
trans-1,2-Dichloroethene	ND	5.0	ug/L	SW846 8260B	
Acetone	ND	20	ug/L	SW846 8260B	
Benzene	ND	5.0	ug/L	SW846 8260B	
Bromodichloromethane	ND	5.0	ug/L	SW846 8260B	
Bromoform	ND	5.0	ug/L	SW846 8260B	
Carbon disulfide	ND	5.0	ug/L	SW846 8260B	
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260B	
Chlorobenzene	ND	5.0	ug/L	SW846 8260B	
Dibromochloromethane	ND	5.0	ug/L	SW846 8260B	
Chloroform	ND	5.0	ug/L	SW846 8260B	
1,2-Dibromoethane	ND	5.0	ug/L	SW846 8260B	
1,2-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B	
1,3-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B	
1,4-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B	
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B	

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TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: C0J090405

Parsons Corporation
Rohm&Haas, VV, OU1
Project Number: 442931

Date Reported: 10/20/10

Client Sample ID: 20101007FT1V03D
Sample #: 002 Date Sampled: 10/07/10 12:30 Date Received: 10/08/10 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					Reviewed
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260B	
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260B	
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B	
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B	
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B	
Ethylbenzene	ND	5.0	ug/L	SW846 8260B	
Methylene chloride	ND	5.0	ug/L	SW846 8260B	
Styrene	ND	5.0	ug/L	SW846 8260B	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B	
Toluene	ND	5.0	ug/L	SW846 8260B	
1,2,4-Trichlorobenzene	ND	5.0	ug/L	SW846 8260B	
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B	
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B	
Trichloroethene	ND	5.0	ug/L	SW846 8260B	
Semivolatile Organic Compounds by GC/MS					Reviewed
Caprolactam	ND	50	ug/L	SW846 8270C	
Acetophenone	ND	10	ug/L	SW846 8270C	
Atrazine	ND	10	ug/L	SW846 8270C	
Benzaldehyde	ND	10	ug/L	SW846 8270C	
1,1'-Biphenyl	ND	10	ug/L	SW846 8270C	
Acenaphthene	ND	2.0	ug/L	SW846 8270C	
Acenaphthylene	ND	2.0	ug/L	SW846 8270C	
Anthracene	ND	2.0	ug/L	SW846 8270C	
Benzo(a)anthracene	ND	2.0	ug/L	SW846 8270C	
Benzo(b)fluoranthene	ND	2.0	ug/L	SW846 8270C	
Benzo(k)fluoranthene	ND	2.0	ug/L	SW846 8270C	
Benzo(ghi)perylene	ND	2.0	ug/L	SW846 8270C	
Benzo(a)pyrene	ND	2.0	ug/L	SW846 8270C	
bis(2-Chloroethyl)-ether	ND	2.0	ug/L	SW846 8270C	
2-Chloronaphthalene	ND	2.0	ug/L	SW846 8270C	
Chrysene	ND	2.0	ug/L	SW846 8270C	
Dibenz(a,h)anthracene	ND	2.0	ug/L	SW846 8270C	
3,3'-Dichlorobenzidine	ND	10	ug/L	SW846 8270C	

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TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: C0J090405

Parsons Corporation
Rohm&Haas, VV, OU1
Project Number: 442931

Date Reported: 10/20/10

Client Sample ID: 20101007FT1V03D
Sample #: 002 Date Sampled: 10/07/10 12:30 Date Received: 10/08/10 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Semivolatile Organic Compounds by GC/MS					Reviewed
2,4-Dichlorophenol	ND	2.0	ug/L	SW846 8270C	
Fluoranthene	ND	2.0	ug/L	SW846 8270C	
Fluorene	ND	2.0	ug/L	SW846 8270C	
Hexachlorobenzene	ND	2.0	ug/L	SW846 8270C	
Hexachlorobutadiene	ND	2.0	ug/L	SW846 8270C	
Hexachlorocyclopenta-diene	ND	10	ug/L	SW846 8270C	
Indeno(1,2,3-cd)pyrene	ND	2.0	ug/L	SW846 8270C	
2-Methylnaphthalene	ND	2.0	ug/L	SW846 8270C	
Naphthalene	ND	2.0	ug/L	SW846 8270C	
Nitrobenzene	ND	2.0	ug/L	SW846 8270C	
N-Nitrosodi-n-propyl-amine	ND	2.0	ug/L	SW846 8270C	
N-Nitrosodiphenylamine	ND	2.0	ug/L	SW846 8270C	
Pentachlorophenol	ND	10	ug/L	SW846 8270C	
Phenanthrene	ND	2.0	ug/L	SW846 8270C	
Phenol	ND	2.0	ug/L	SW846 8270C	
Pyrene	ND	2.0	ug/L	SW846 8270C	
Carbazole	ND	2.0	ug/L	SW846 8270C	
2,2'-oxybis (1-Chloropropane)	ND	2.0	ug/L	SW846 8270C	
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C	
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C	
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C	
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C	
4-Chloroaniline	ND	10	ug/L	SW846 8270C	
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C	
2-Chlorophenol	ND	10	ug/L	SW846 8270C	
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C	
Dibenzofuran	ND	10	ug/L	SW846 8270C	
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C	
Diethyl phthalate	ND	10	ug/L	SW846 8270C	
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C	

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TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: C0J090405

Parsons Corporation
Rohm&Haas, VV, OU1
Project Number: 442931

Date Reported: 10/20/10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 20101007FT1V03D					
Sample #: 002 Date Sampled: 10/07/10 12:30 Date Received: 10/08/10 Matrix: WATER					
Semivolatile Organic Compounds by GC/MS					Reviewed
Dimethyl phthalate	ND	10	ug/L	SW846 8270C	
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C	
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C	
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C	
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C	
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C	
Hexachloroethane	ND	10	ug/L	SW846 8270C	
Isophorone	ND	10	ug/L	SW846 8270C	
2-Methylphenol	ND	10	ug/L	SW846 8270C	
4-Methylphenol	ND	10	ug/L	SW846 8270C	
2-Nitroaniline	ND	50	ug/L	SW846 8270C	
3-Nitroaniline	ND	50	ug/L	SW846 8270C	
4-Nitroaniline	ND	50	ug/L	SW846 8270C	
2-Nitrophenol	ND	10	ug/L	SW846 8270C	
4-Nitrophenol	ND	50	ug/L	SW846 8270C	
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C	
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C	
Inorganic Analysis					Reviewed
Cyanide, Total	ND	10.0	ug/L	SW846 9012A	
Pensky-Martens Method for Determining Ignitability	**>200**		**deg F**	**SW846 1010**	
pH Aqueous	**8.7**	**0.10**	--	**SW846 9040C**	
Sulfides, Total 9030B/9034	ND	3.0	mg/L	SW846 9030B/9034	
Client Sample ID: 20101007FT2V03N					
Sample #: 003 Date Sampled: 10/07/10 13:00 Date Received: 10/08/10 Matrix: WATER					
Trace Inductively Coupled Plasma (ICP) Metals					Reviewed
Silver	ND	5.0	ug/L	SW846 6010B	

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TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: C0J090405

Parsons Corporation
Rohm&Haas, VV, OU1
Project Number: 442931

Date Reported: 10/20/10

Client Sample ID: 20101007FT2V03N
Sample #: 003 Date Sampled: 10/07/10 13:00 Date Received: 10/08/10 Matrix: WATER

PARAMETER		RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Aluminum		**780**	**200**	**ug/L**	**SW846 6010B**
Arsenic		ND	10.0	ug/L	SW846 6010B
Barium		**77.5 B**	**200**	**ug/L**	**SW846 6010B**
Beryllium		**0.31 B**	**4.0**	**ug/L**	**SW846 6010B**
Calcium		**69200**	**5000**	**ug/L**	**SW846 6010B**
Cadmium		ND	5.0	ug/L	SW846 6010B
Cobalt		**1.1 B**	**50.0**	**ug/L**	**SW846 6010B**
Chromium		**6.6**	**5.0**	**ug/L**	**SW846 6010B**
Copper		**17.2 B**	**25.0**	**ug/L**	**SW846 6010B**
Iron		**1060**	**100**	**ug/L**	**SW846 6010B**
Potassium		**11600**	**5000**	**ug/L**	**SW846 6010B**
Magnesium		**6500**	**5000**	**ug/L**	**SW846 6010B**
Manganese		**213**	**15.0**	**ug/L**	**SW846 6010B**
Sodium		**41300**	**5000**	**ug/L**	**SW846 6010B**
Nickel		**6.9 B**	**40.0**	**ug/L**	**SW846 6010B**
Lead		**11.0**	**3.0**	**ug/L**	**SW846 6010B**
Antimony		**2.4 B**	**10.0**	**ug/L**	**SW846 6010B**
Selenium		ND	5.0	ug/L	SW846 6010B
Thallium		ND	10.0	ug/L	SW846 6010B
Vanadium		**24.1 B**	**50.0**	**ug/L**	**SW846 6010B**
Zinc		**62.1**	**20.0**	**ug/L**	**SW846 6010B**
Silver	TCLP	ND	0.050	mg/L	SW846 6010B
Arsenic	TCLP	ND	0.10	mg/L	SW846 6010B
Barium	**TCLP**	**0.049 B**	**2.0**	**mg/L**	**SW846 6010B**
Cadmium	TCLP	ND	0.050	mg/L	SW846 6010B
Chromium	TCLP	ND	0.050	mg/L	SW846 6010B
Lead	TCLP	ND	0.030	mg/L	SW846 6010B
Selenium	TCLP	ND	0.050	mg/L	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	TCLP				Reviewed
Mercury	**TCLP**	**0.012**	**0.0010**	**mg/L**	**SW846 7470A**
Mercury		**143**	**5.0**	**ug/L**	**SW846 7470A**
Organochlorine Pesticides					Reviewed
Aldrin		ND	0.048	ug/L	SW846 8081A

B Estimated result. Result is less than RL.

(Continued on next page)

TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: C0J090405 | **Parsons Corporation** | Rohm&Haas, VV, OU1 | Project Number: 442931 | **Date Reported:** 10/20/10

Client Sample ID: 20101007FT2V03N

Sample #: 003 Date Sampled: 10/07/10 13:00 Date Received: 10/08/10 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Organochlorine Pesticides					Reviewed
alpha-BHC	ND	0.048	ug/L	SW846 8081A	
beta-BHC	ND	0.048	ug/L	SW846 8081A	
delta-BHC	ND	0.048	ug/L	SW846 8081A	
gamma-BHC (Lindane)	**0.054 PG**	**0.048**	**ug/L**	**SW846 8081A**	
alpha-Chlordane	**0.040 J**	**0.048**	**ug/L**	**SW846 8081A**	
gamma-Chlordane	ND	0.048	ug/L	SW846 8081A	
4,4'-DDD	ND	0.048	ug/L	SW846 8081A	
4,4'-DDE	ND	0.048	ug/L	SW846 8081A	
4,4'-DDT	ND	0.048	ug/L	SW846 8081A	
Dieldrin	ND	0.048	ug/L	SW846 8081A	
Endosulfan I	ND	0.048	ug/L	SW846 8081A	
Endosulfan II	ND	0.048	ug/L	SW846 8081A	
Endosulfan sulfate	ND	0.048	ug/L	SW846 8081A	
Endrin	ND	0.048	ug/L	SW846 8081A	
Endrin aldehyde	ND	0.048	ug/L	SW846 8081A	
Endrin ketone	ND	0.048	ug/L	SW846 8081A	
Heptachlor	ND	0.048	ug/L	SW846 8081A	
Heptachlor epoxide	**0.049**	**0.048**	**ug/L**	**SW846 8081A**	
Methoxychlor	ND	0.095	ug/L	SW846 8081A	
Toxaphene	ND	1.9	ug/L	SW846 8081A	

PG The percent difference between the original and confirmation analyses is greater than 40%.

J Estimated result. Result is less than RL.

PCBs by SW-846 8082					Reviewed
Aroclor 1016	ND	0.38	ug/L	SW846 8082	
Aroclor 1221	ND	0.38	ug/L	SW846 8082	
Aroclor 1232	ND	0.38	ug/L	SW846 8082	
Aroclor 1242	ND	0.38	ug/L	SW846 8082	
Aroclor 1248	ND	0.38	ug/L	SW846 8082	
Aroclor 1254	ND	0.38	ug/L	SW846 8082	
Aroclor 1260	ND	0.38	ug/L	SW846 8082	
Aroclor 1262	ND	0.38	ug/L	SW846 8082	
Aroclor 1268	ND	0.38	ug/L	SW846 8082	

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TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: C0J090405

Parsons Corporation
Rohm&Haas, VV, OU1
Project Number: 442931

Date Reported: 10/20/10

Client Sample ID: 20101007FT2V03N
Sample #: 003 Date Sampled: 10/07/10 13:00 Date Received: 10/08/10 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					Reviewed
Isopropylbenzene	ND	5.0	ug/L	SW846 8260B	
Tetrachloroethene	ND	5.0	ug/L	SW846 8260B	
2-Hexanone	ND	5.0	ug/L	SW846 8260B	
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B	
Bromomethane	ND	5.0	ug/L	SW846 8260B	
2-Butanone	ND	5.0	ug/L	SW846 8260B	
1,2-Dibromo-3-chloro-propane	ND	5.0	ug/L	SW846 8260B	
Chloroethane	ND	5.0	ug/L	SW846 8260B	
Chloromethane	ND	5.0	ug/L	SW846 8260B	
Dichlorodifluoromethane	ND	5.0	ug/L	SW846 8260B	
Trichlorofluoromethane	ND	5.0	ug/L	SW846 8260B	
Vinyl chloride	ND	5.0	ug/L	SW846 8260B	
Cyclohexane	ND	5.0	ug/L	SW846 8260B	
Methyl acetate	ND	5.0	ug/L	SW846 8260B	
Methylcyclohexane	ND	5.0	ug/L	SW846 8260B	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L	SW846 8260B	
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B	
Xylenes (total)	ND	15	ug/L	SW846 8260B	
cis-1,2-Dichloroethene	ND	5.0	ug/L	SW846 8260B	
trans-1,2-Dichloroethene	ND	5.0	ug/L	SW846 8260B	
Acetone	ND	20	ug/L	SW846 8260B	
Benzene	ND	5.0	ug/L	SW846 8260B	
Bromodichloromethane	ND	5.0	ug/L	SW846 8260B	
Bromoform	ND	5.0	ug/L	SW846 8260B	
Carbon disulfide	ND	5.0	ug/L	SW846 8260B	
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260B	
Chlorobenzene	ND	5.0	ug/L	SW846 8260B	
Dibromochloromethane	ND	5.0	ug/L	SW846 8260B	
Chloroform	ND	5.0	ug/L	SW846 8260B	
1,2-Dibromoethane	ND	5.0	ug/L	SW846 8260B	
1,2-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B	
1,3-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B	
1,4-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B	
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B	

(Continued on next page)

TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: C0J090405

Parsons Corporation
Rohm&Haas, VV, OU1
Project Number: 442931

Date Reported: 10/20/10

Client Sample ID: 20101007FT2V03N
Sample #: 003 Date Sampled: 10/07/10 13:00 Date Received: 10/08/10 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					Reviewed
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260B	
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260B	
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B	
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B	
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B	
Ethylbenzene	ND	5.0	ug/L	SW846 8260B	
Methylene chloride	ND	5.0	ug/L	SW846 8260B	
Styrene	ND	5.0	ug/L	SW846 8260B	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B	
Toluene	ND	5.0	ug/L	SW846 8260B	
1,2,4-Trichloro-benzene	ND	5.0	ug/L	SW846 8260B	
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B	
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B	
Trichloroethene	ND	5.0	ug/L	SW846 8260B	
Semivolatile Organic Compounds by GC/MS					Reviewed
Caprolactam	ND	48	ug/L	SW846 8270C	
Acetophenone	ND	9.5	ug/L	SW846 8270C	
Atrazine	ND	9.5	ug/L	SW846 8270C	
Benzaldehyde	ND	9.5	ug/L	SW846 8270C	
1,1'-Biphenyl	ND	9.5	ug/L	SW846 8270C	
Acenaphthene	ND	1.9	ug/L	SW846 8270C	
Acenaphthylene	ND	1.9	ug/L	SW846 8270C	
Anthracene	ND	1.9	ug/L	SW846 8270C	
Benzo(a)anthracene	ND	1.9	ug/L	SW846 8270C	
Benzo(b)fluoranthene	ND	1.9	ug/L	SW846 8270C	
Benzo(k)fluoranthene	ND	1.9	ug/L	SW846 8270C	
Benzo(ghi)perylene	ND	1.9	ug/L	SW846 8270C	
Benzo(a)pyrene	ND	1.9	ug/L	SW846 8270C	
bis(2-Chloroethyl)-ether	ND	1.9	ug/L	SW846 8270C	
2-Chloronaphthalene	ND	1.9	ug/L	SW846 8270C	
Chrysene	ND	1.9	ug/L	SW846 8270C	
Dibenz(a,h)anthracene	ND	1.9	ug/L	SW846 8270C	
3,3'-Dichlorobenzidine	ND	9.5	ug/L	SW846 8270C	

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TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: C0J090405

Parsons Corporation
Rohm&Haas, VV, OU1
Project Number: 442931

Date Reported: 10/20/10

Client Sample ID: 20101007FT2V03N
Sample #: 003 Date Sampled: 10/07/10 13:00 Date Received: 10/08/10 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Semivolatile Organic Compounds by GC/MS					Reviewed
2,4-Dichlorophenol	ND	1.9	ug/L	SW846 8270C	
Fluoranthene	ND	1.9	ug/L	SW846 8270C	
Fluorene	ND	1.9	ug/L	SW846 8270C	
Hexachlorobenzene	ND	1.9	ug/L	SW846 8270C	
Hexachlorobutadiene	ND	1.9	ug/L	SW846 8270C	
Hexachlorocyclopenta-diene	ND	9.5	ug/L	SW846 8270C	
Indeno(1,2,3-cd)pyrene	ND	1.9	ug/L	SW846 8270C	
2-Methylnaphthalene	ND	1.9	ug/L	SW846 8270C	
Naphthalene	ND	1.9	ug/L	SW846 8270C	
Nitrobenzene	ND	1.9	ug/L	SW846 8270C	
N-Nitrosodi-n-propyl-amine	ND	1.9	ug/L	SW846 8270C	
N-Nitrosodiphenylamine	ND	1.9	ug/L	SW846 8270C	
Pentachlorophenol	ND	9.5	ug/L	SW846 8270C	
Phenanthrene	ND	1.9	ug/L	SW846 8270C	
Phenol	ND	1.9	ug/L	SW846 8270C	
Pyrene	ND	1.9	ug/L	SW846 8270C	
Carbazole	ND	1.9	ug/L	SW846 8270C	
2,2'-oxybis (1-Chloropropane)	ND	1.9	ug/L	SW846 8270C	
bis(2-Chloroethoxy) methane	ND	9.5	ug/L	SW846 8270C	
bis(2-Ethylhexyl) phthalate	ND	9.5	ug/L	SW846 8270C	
4-Bromophenyl phenyl ether	ND	9.5	ug/L	SW846 8270C	
Butyl benzyl phthalate	ND	9.5	ug/L	SW846 8270C	
4-Chloroaniline	ND	9.5	ug/L	SW846 8270C	
4-Chloro-3-methylphenol	ND	9.5	ug/L	SW846 8270C	
2-Chlorophenol	ND	9.5	ug/L	SW846 8270C	
4-Chlorophenyl phenyl ether	ND	9.5	ug/L	SW846 8270C	
Dibenzofuran	ND	9.5	ug/L	SW846 8270C	
Di-n-butyl phthalate	ND	9.5	ug/L	SW846 8270C	
Diethyl phthalate	ND	9.5	ug/L	SW846 8270C	
2,4-Dimethylphenol	ND	9.5	ug/L	SW846 8270C	

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TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Parsons Corporation

Lot #: C0J090405 Rohm&Haas, VV, OU1 **Date Reported:** 10/20/10

Project Number: 442931

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 20101007FT2V03N					
Sample #: 003 Date Sampled: 10/07/10 13:00 Date Received: 10/08/10 Matrix: WATER					
Semivolatile Organic Compounds by GC/MS					Reviewed
Dimethyl phthalate	ND	9.5	ug/L	SW846 8270C	
Di-n-octyl phthalate	ND	9.5	ug/L	SW846 8270C	
4,6-Dinitro-2-methylphenol	ND	48	ug/L	SW846 8270C	
2,4-Dinitrophenol	ND	48	ug/L	SW846 8270C	
2,4-Dinitrotoluene	ND	9.5	ug/L	SW846 8270C	
2,6-Dinitrotoluene	ND	9.5	ug/L	SW846 8270C	
Hexachloroethane	ND	9.5	ug/L	SW846 8270C	
Isophorone	ND	9.5	ug/L	SW846 8270C	
2-Methylphenol	ND	9.5	ug/L	SW846 8270C	
4-Methylphenol	ND	9.5	ug/L	SW846 8270C	
2-Nitroaniline	ND	48	ug/L	SW846 8270C	
3-Nitroaniline	ND	48	ug/L	SW846 8270C	
4-Nitroaniline	ND	48	ug/L	SW846 8270C	
2-Nitrophenol	ND	9.5	ug/L	SW846 8270C	
4-Nitrophenol	ND	48	ug/L	SW846 8270C	
2,4,5-Trichlorophenol	ND	9.5	ug/L	SW846 8270C	
2,4,6-Trichlorophenol	ND	9.5	ug/L	SW846 8270C	
Inorganic Analysis					Reviewed
Cyanide, Total	ND	10.0	ug/L	SW846 9012A	
Pensky-Martens Method for Determining Ignitability	**>200**		**deg F**	**SW846 1010**	
pH Aqueous	**8.7**	**0.10**	--	**SW846 9040C**	
Sulfides, Total 9030B/9034	ND	3.0	mg/L	SW846 9030B/9034	
Client Sample ID: TRIP BLANK					
Sample #: 004 Date Sampled: 10/07/10 13:00 Date Received: 10/08/10 Matrix: WATER					
Volatile Organics by GC/MS					Reviewed
Isopropylbenzene	ND	5.0	ug/L	SW846 8260B	
Tetrachloroethene	ND	5.0	ug/L	SW846 8260B	

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TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: C0J090405

Parsons Corporation
Rohm&Haas, VV, OU1
Project Number: 442931

Date Reported: 10/20/10

Client Sample ID: TRIP BLANK
Sample #: 004 Date Sampled: 10/07/10 13:00 Date Received: 10/08/10 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					Reviewed
2-Hexanone	ND	5.0	ug/L	SW846 8260B	
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B	
Bromomethane	ND	5.0	ug/L	SW846 8260B	
2-Butanone	ND	5.0	ug/L	SW846 8260B	
1,2-Dibromo-3-chloro-propane	ND	5.0	ug/L	SW846 8260B	
Chloroethane	ND	5.0	ug/L	SW846 8260B	
Chloromethane	ND	5.0	ug/L	SW846 8260B	
Dichlorodifluoromethane	ND	5.0	ug/L	SW846 8260B	
Trichlorofluoromethane	ND	5.0	ug/L	SW846 8260B	
Vinyl chloride	ND	5.0	ug/L	SW846 8260B	
Cyclohexane	ND	5.0	ug/L	SW846 8260B	
Methyl acetate	ND	5.0	ug/L	SW846 8260B	
Methylcyclohexane	ND	5.0	ug/L	SW846 8260B	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L	SW846 8260B	
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B	
Xylenes (total)	ND	15	ug/L	SW846 8260B	
cis-1,2-Dichloroethene	ND	5.0	ug/L	SW846 8260B	
trans-1,2-Dichloroethene	ND	5.0	ug/L	SW846 8260B	
Acetone	ND	20	ug/L	SW846 8260B	
Benzene	ND	5.0	ug/L	SW846 8260B	
Bromodichloromethane	ND	5.0	ug/L	SW846 8260B	
Bromoform	ND	5.0	ug/L	SW846 8260B	
Carbon disulfide	ND	5.0	ug/L	SW846 8260B	
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260B	
Chlorobenzene	ND	5.0	ug/L	SW846 8260B	
Dibromochloromethane	ND	5.0	ug/L	SW846 8260B	
Chloroform	ND	5.0	ug/L	SW846 8260B	
1,2-Dibromoethane	ND	5.0	ug/L	SW846 8260B	
1,2-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B	
1,3-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B	
1,4-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B	
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B	
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260B	
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260B	
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B	

(Continued on next page)

TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Parsons Corporation

Lot #: C0J090405 Rohm&Haas, VV, OU1 **Date Reported:** 10/20/10

Project Number: 442931

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: TRIP BLANK					
Sample #: 004 Date Sampled: 10/07/10 13:00 Date Received: 10/08/10 Matrix: WATER					
Volatile Organics by GC/MS					Reviewed
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B	
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B	
Ethylbenzene	ND	5.0	ug/L	SW846 8260B	
Methylene chloride	ND	5.0	ug/L	SW846 8260B	
Styrene	ND	5.0	ug/L	SW846 8260B	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B	
Toluene	ND	5.0	ug/L	SW846 8260B	
1,2,4-Trichloro-benzene	ND	5.0	ug/L	SW846 8260B	
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B	
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B	
Trichloroethene	ND	5.0	ug/L	SW846 8260B	

Attachment 5 – Indoor Air Sampling of the Wolf Warehouse Memorandum

TECHNICAL MEMORANDUM

November 12, 2010

To: Mr. Robert Casselberry

From: Chris Greene, Glenn Pacheco

Cc: Margaret Bazany, Ron Lantzy

Subject: September 29 to 30, 2010 Indoor Air Sampling for Mercury at Wolf Warehouse

Introduction

This memorandum presents the approach and results for the summer season air sampling for mercury performed at the Wolf Warehouse in Wood-Ridge, New Jersey from September 29 to 30, 2010. Remediation activities completed in the developed area prior to sampling included completion of soil excavations, installation of vertical barrier wall and developed area cap. The installation of the undeveloped area cap was ongoing during the sampling period. The initial year of sampling included two rounds – one in the summer (completed in September 2008) and one in the winter (completed in February 2009). Both the initial and post-remediation air sampling was performed at the Wolf Warehouse building in accordance with the approved Undeveloped Area Remedial Action Workplan (RAW) for the Ventron/Velsicol Superfund Site. One of the requirements of the approved Undeveloped Area RAW is to perform air monitoring at the Wolf Warehouse in accordance with selected remedy "Soil Alternative 4" (S4) as presented in the ROD. During the first year one set of samples was collected in the summer and one set was collected in the winter commencing in the summer of 2008 as requested by the NJDEP. Per the Undeveloped Area RAW, after the first year of sampling, the program will continue with follow-up sampling on an annual basis (i.e., a set of mercury samples will be collected every year). The results of the initial winter and summer monitoring were used to determine the time of year for the annual sampling which will target the season with the highest results. The summer season (September 2008) sampling results were found to be the highest during the initial year as documented in two Technical Memorandums previously submitted dated October 31, 2008 and March 24, 2009.

The indoor air sampling for mercury at the Wolf Warehouse is being driven primarily by vapor intrusion concerns, therefore, the air sampling program was designed and implemented in accordance with applicable requirements of the *New Jersey Department of Environmental Protection Vapor Intrusion Guidance* (October 2005; updated Tables March 2007).

Sampling Event Procedures

An initial building survey was performed in conjunction with the September 2008 sampling event and was updated prior to the February 2009 winter sampling. At the time of these surveys,

the building was occupied and operating as a bulk paper warehouse as well as containing a cardboard display assembly operation. Prior to this sampling event another building survey was performed because the building had been vacated and its contents removed as part of the Developed Area RAW implemented in 2010. The updated building survey was performed to identify any building conditions that needed to be accounted for during the air monitoring events. Example conditions include opening or closing certain vents, windows or doors and/or when to run the building ventilation system. Information collected from the building surveys was used to develop the monitoring locations and the expected building conditions prior to and during the sampling. A completed survey form is contained in **Appendix A.**

The target compound for the indoor air sampling is total atmospheric mercury consisting of both gas-phase and particulate concentrations. The measured mercury levels were compared to the New Jersey indoor reference value for mercury of 300 nanograms per cubic meter (ng/m^3).

The mercury sampling methodology used was the *Frontier Geosciences Sorbent Total Mercury Method – Total Gaseous Mercury Capture on Iodated Carbon (FGS-009).* This is a peer-reviewed method developed by Frontier Geosciences, Inc., an analytical laboratory that specializes in low-level mercury analysis. This method was used in previous sampling for mercury in and around the Wolf Warehouse. The method collects gas-phase and particulate-phase atmospheric mercury species by trapping on an iodated carbon matrix. After sampling, the mercury is leached off the iodated carbon using a hot-refluxing HNO_3/H_2SO_4 solution, followed by further oxidation using a BrCl solution. Aliquots of the digest are analyzed via *USEPA Method 1631 - Mercury in Water by Oxidation, Purge and Trap, and Cold Vapor Atomic Fluorescence Spectrometry.*

Based on the prior sampling, the building survey, and weather conditions for the sampling period, four sampling locations were selected: three indoor locations and one outdoor. The sample locations are shown on **Figure 1** and were named as follows:

NE-1 = northeast corner of building (adjacent to loading dock)
CN-2 and CN-D-3 = duplicate pair sampled in central location of warehouse
SW-4 = southwest corner of building (near stairs to door)
S-O-5 = Outside sample collected on the south side of building.

The outdoor sampling location, on the south side of the building, was selected based on forecasted wind conditions at the time of sampling. This location was upwind of the building for the expected winds from the south through southwest to west during the sampling event. Meteorological data from the on-site system and weather forecast information was obtained from the National Weather Service website the morning of the sampling event to determine the location for upwind ambient air sampling. The on-site station's rain gauge was malfunctioning, so concurrent meteorological data during the 24-hour sampling period was obtained from nearby Teterboro Airport for aid in interpretation of sampling results. Graphs of the weather data are presented in **Appendix B.**

Sampling was started between 12:18 to 12:38 pm on September 29, 2010 and continued for 24 hours until September 30, 2010. The samples were collected in the breathing zone approximately four feet above ground/floor surfaces.

Indoor air quality (IAQ) measurements of temperature, relative humidity, and barometric pressure were performed at each of the four sampling locations. These measurements were made with a TSI Model No. 8554 IAQ meter.

Sample custody and documentation procedures were followed as described in the sampling method. The analytical holding time for this method is specified as "indefinite" once the sample has been collected and sealed on the sampling media. Samples were shipped by an overnight express service to the laboratory upon the completion of sampling.

Quality assurance (QA) for the sampling event consisted of pump flow calibrations, pump flow checks, and quality control (QC) samples. Sampling flow checks were performed immediately prior to, during, and after each sampling event. QC samples consisted of one field duplicate and a field blank, as well as laboratory QC samples, as prescribed by the method. QC samples were analyzed for total atmospheric mercury using the same methods as for the routine samples.

Building Survey Results

Prior to being vacated during the Developed Area Remedial Action, the Wolf Warehouse building at 3 Ethel Blvd was being used to store rolls of paper and operate a corrugated box and display manufacturing facility. The building dimensions are approximately 250 feet by 250 feet resulting in a total footprint area of 62,500 square feet. The building is situated such that the front is facing the northeast (along Ethel Blvd.). The southeast and southwest sides of the building form part of the border of the OU-1 Undeveloped Area in its northern portion.

The front of the building contains several loading dock bays for the delivery and pick-up of paper rolls. The back of the building has loading dock bays for delivery/pick-up by rail car. The building's outside walls are constructed of pre-fabricated concrete sections and the building sits on a solid concrete foundation three feet above grade.

The building was observed to be divided into two sections where previously different types of activities take place. The east side was previously used to store rolls of paper, while most of the west half was previously used to assemble cardboard display units and various types of display boxes. The back half of the west side previously contained a mix of box assembly supplies and paper rolls. At the time of the sampling in September 2010, the building was vacated with most of its previous contents removed and no occupants (no employees).

A general inspection of the floor did not identify major cracks in the floor that would act as pathways for vapor intrusion. At the back of the building, there were two sumps with stairs leading to doors that open at grade. The doors were observed not to form an air tight seal in the closed position. As a result, these doors are believed to be the most viable pathway for vapors

from the outside or soil to migrate into the building and this was accounted for when determining the sampling locations.

Environmental conditions during the survey and sampling were found to be typical of a warehouse. The air temperature was generally close to or a few degrees below the levels found outside (outdoor temperatures generally ranged from 68 to 80 °F during the sampling period). Based on observation, air movement in most of the building can be characterized as stagnant. Outside, winds were mostly from the south on September 29 and turned to the north the morning of September 30. Periods of light to heavy rain occurred throughout the sampling period.

Given the vacant status of the building, the survey did not reveal any material or operation that would interfere with the mercury sampling.

Sampling Results and Recommendation

A summary of the air sampling results and IAQ measurements are presented in the table below. The laboratory results are presented in **Appendix C** and sampling data calculations are in **Appendix D.**

Sample Location	Mercury Conc.	Avg. Temperature	Avg. Relative Humidity	Avg. Barometric Pressure
Units:	(ng/m^3)	(F)	(%)	(inches Hg)
NE-1	82	76.4	69.7	29.88
CN-2	90	74.9	68.0	29.88
CN-D-3 (Duplicate)	129	74.9	68.0	29.88
SW-4	84	75.4	69.7	29.88
S-O-5 (Outdoor)	40	76.4	66.2	29.88
Indoor Averages	85	75.6	69.1	29.88
Field Blank	ND*	NA	NA	NA

ND = Not Detected; NA = Not Applicable
* Method Detection Limit (MDL) = 0.293 ng Hg/trap (approximately 0.04 ng/m^3)

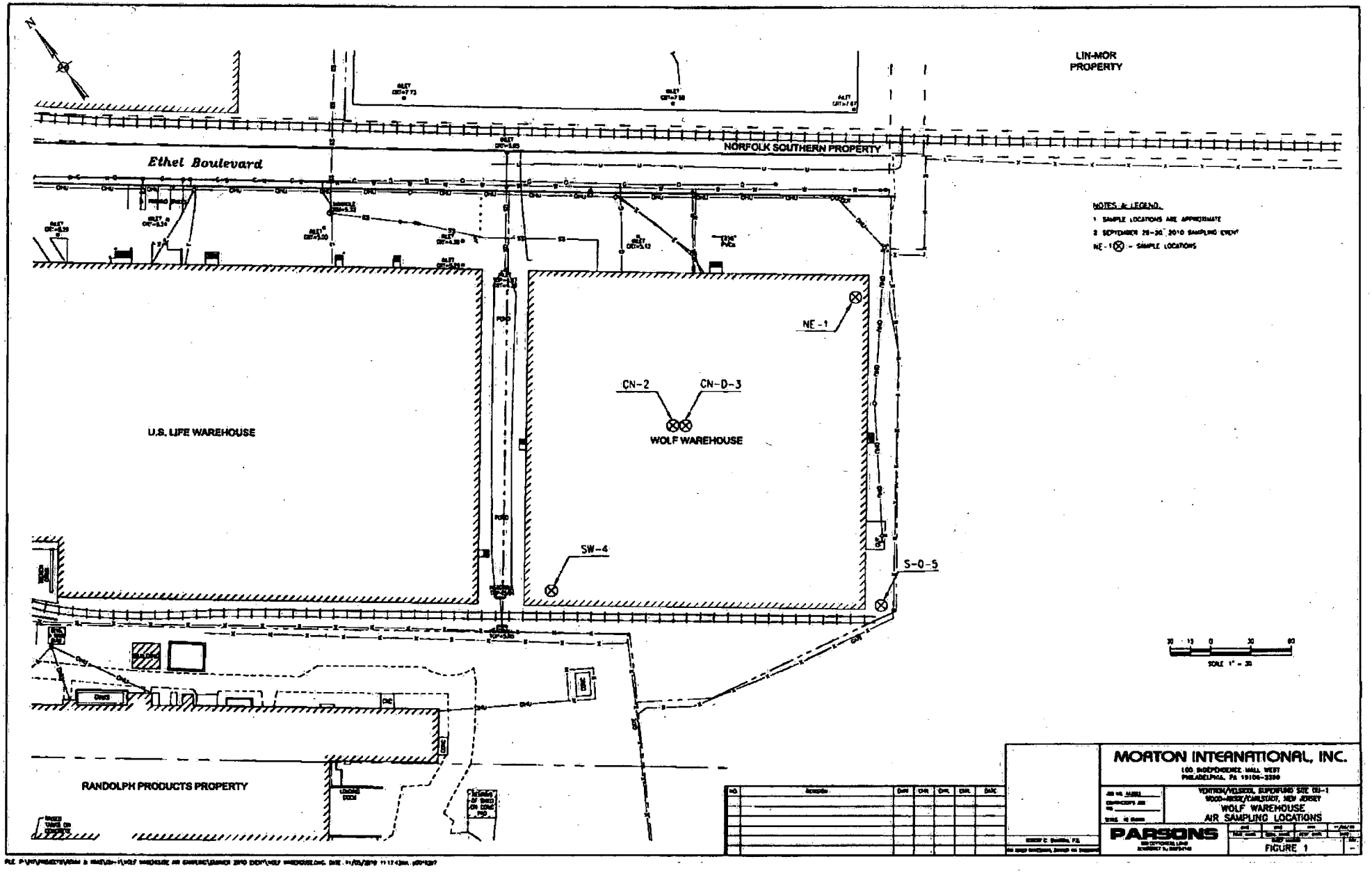
The indoor mercury concentration results ranged from 82 to 90 ng/m^3, with an average of 85 ng/m^3 (not including duplicate), compared to a lower outside concentration of 40 ng/m3. These results are all below the New Jersey indoor reference value of 300 ng/m^3. The 2010 summer season indoor results are greater than the September 2008 initial year summer results, which ranged from 31 to 56 ng/m^3 inside the building. However, the September 2010 outdoor mercury concentration of 40 ng/m^3 is lower compared to the outdoor concentration of 91 ng/m^3 sampled in September 2008.

The duplicate pair sampled at the central location in the warehouse revealed mercury concentrations of 90 and 129 ng/m^3, a difference of 39 ng/m^3 (percent difference of 35.6 %).

A field blank mercury trap submitted for analysis revealed no detectable concentration of mercury.

Care must be taken in interpreting the results of a single indoor air quality sampling event. The samples are collected over a relatively short duration (24-hours) and represent only the conditions during that interval. Indoor pollutant concentrations can change due to changes in air movement, weather conditions or other physical movement in an area.

Attachments:
Figure 1 – Sampling Location Plan
Appendix A – Building Survey Form
Appendix B – Meteorological Data
Appendix C – Laboratory Sample results
Appendix D – Sampling Data Calculations


LIN-MOR
PROPERTY
NORFOLK SOUTHERN PROPERTY
Ethel Boulevard
NOTES & LEGEND
1 SAMPLE LOCATIONS ARE APPROXIMATE
2 SEPTEMBER 28-30, 2010 SAMPLING EVENT
NE-1 ⊗ - SAMPLE LOCATIONS
NE-1
CN-2
CN-D-3
WOLF WAREHOUSE
U.S. LIFE WAREHOUSE
SW-6
S-O-5
RANDOLPH PRODUCTS PROPERTY
SCALE 1" = 30'
MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399
VENTRON/VELSICOL SUPERFUND SITE (SU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
WOLF WAREHOUSE
AIR SAMPLING LOCATIONS
PARSONS
FIGURE 1

Appendix A – Building Survey Form

New Jersey Department of Environmental Protection

INDOOR AIR BUILDING SURVEY and SAMPLING FORM

Preparer's name: Jeff Derick Date: 9/29/10

Preparer's affiliation: Pagers Phone #: (570) 977-6464

Site Name: V/V Old Wolf Warehouse Case #: _____

Part I - Occupants

Building Address: 3 Ethel Blvd

Property Contact: Marvin Sager (Owner) / Renter / other: _____

Contact's Phone: home ( ) _____ work (201) 933-7500 Ext 20 cell ( ) _____

# of Building occupants: Children under age 13 0 Children age 13-18 0 Adults 0

Part II – Building Characteristics

Building type: residential / multi-family residential / office / strip mall / (commercial) / industrial

Describe building: Vacant paper products warehouse Year constructed: 1975

Sensitive population: day care / nursing home / hospital / school / other (specify): None

Number of floors below grade: G (full basement / crawl space / slab on grade)

Number of floors at or above grade: 2

Depth of basement below grade surface: NA ft. Basement size: NA ft²

Basement floor construction: ~~concrete~~ / dirt / floating / stone / other (specify): NA

Foundation walls: (poured concrete) / cinder blocks / stone / other (specify) _____

Basement sump present? *Yes* / (No) Sump pump? (Yes) / *No* Water in sump? *Yes* / (No)

Type of ~~heating system~~ (circle all that apply):

(hot air circulation)	hot air radiation	wood	steam radiation
heat pump	hot water radiation	kerosene heater	electric baseboard

other (specify): _____

Type of ventilation system (circle all that apply):

central air conditioning	(mechanical fans)	bathroom ventilation fans
individual air conditioning units	kitchen range hood fan	outside air intake

other (specify): _____

Type of ~~fuel utilized~~ (circle all that apply):

(Natural gas) / electric / fuel oil / wood / coal / solar / kerosene / (propane)

Are the basement walls or floor sealed with waterproof paint or epoxy coatings? *Yes / No*

(NA)

Is there a whole house fan? *Yes / (No)*

Septic system? *Yes / Yes (but not used) / (No)*

Irrigation/private well? *Yes / Yes (but not used) / (No)*

Type of ground cover outside of building: grass / (concrete) / asphalt / other (specify) _____

Existing subsurface depressurization (radon) system in place? *Yes / (No)* *active / passive*

Sub-slab vapor/moisture barrier in place? *Yes / No*
Type of barrier: _____

Part III - Outside Contaminant Sources

NJDEP contaminated site (1000-ft. radius): Adjacent to a remediated Hg s.t. (VW01-1)

Other stationary sources nearby (gas stations, emission stacks, etc.): boiler and process stacks located 0.25 East and 0.50 South

Heavy vehicular traffic nearby (or other mobile sources): construction activity / vehicles surrounding the building. Rute 17 approximately 0.50 west.

Part IV – Indoor Contaminant Sources

Identify all potential indoor sources found in the building (including attached garages), the location of the source (floor and room), and whether the item was removed from the building 48 hours prior to indoor air sampling event. Any ventilation implemented after removal of the items should be completed at least 24 hours prior to the commencement of the indoor air sampling event.

Potential Sources	Location(s)	Removed (Yes / No / NA)
Gasoline storage cans		NA
Gas-powered equipment		
Kerosene storage cans		
Paints / thinners / strippers		
Cleaning solvents		
Oven cleaners		
Carpet / upholstery cleaners		
Other house cleaning products		
Moth balls		
Polishes / waxes		
Insecticides		
Furniture / floor polish		
Nail polish / polish remover		
Hairspray		
Cologne / perfume		
Air fresheners		
Fuel tank (inside building)		NA
Wood stove or fireplace		NA
New furniture / upholstery		↓
New carpeting / flooring		NA
Hobbies - glues, paints, etc.		↓

* Warhose was completly empty. * All boxes were removed and rebated to their temporary warhouse

Part V – Miscellaneous Items

Do any occupants of the building smoke? *Yes* / (No) How often? _____

Last time someone smoked in the building? _____ hours / *days* *ago*

Does the building have an attached garage directly connected to living space? *Yes* / (No)

If so, is a car usually parked in the garage? *Yes / No*

Are gas-powered equipment or cans of gasoline/fuels stored in the garage? *Yes / No*

Do the occupants of the building have their clothes dry cleaned? *Yes* / (No)

If yes, how often? weekly / monthly / 3-4 times a year

Do any of the occupants use solvents in work? *Yes / No* NA

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? *Yes / No*

Have any pesticides/herbicides been applied around the building or in the yard? *Yes* / (No)

If so, when and which chemicals? _____

Has there ever been a fire in the building? *Yes* / (No) If yes, when? _____

Has painting or staining been done in the building in the last 6 months? *Yes* / (No)

If yes, when _____ and where? _____

Part VI – Sampling Information

Sample Technician: Jeff Demuk Phone number: (570) 977 - 6464

Sample Source: (Indoor Air) / Sub-Slab / Near Slab Soil Gas / Exterior Soil Gas

Sampler Type: Tedlar bag / (Sorbent) / Stainless Steel Canister / Other (specify): _____

Analytical Method: TO-15 / TO-17 / other: FGS-[redacted]-009 Cert. Laboratory: Frontier Geo-Sciences

Sample locations (floor, room):

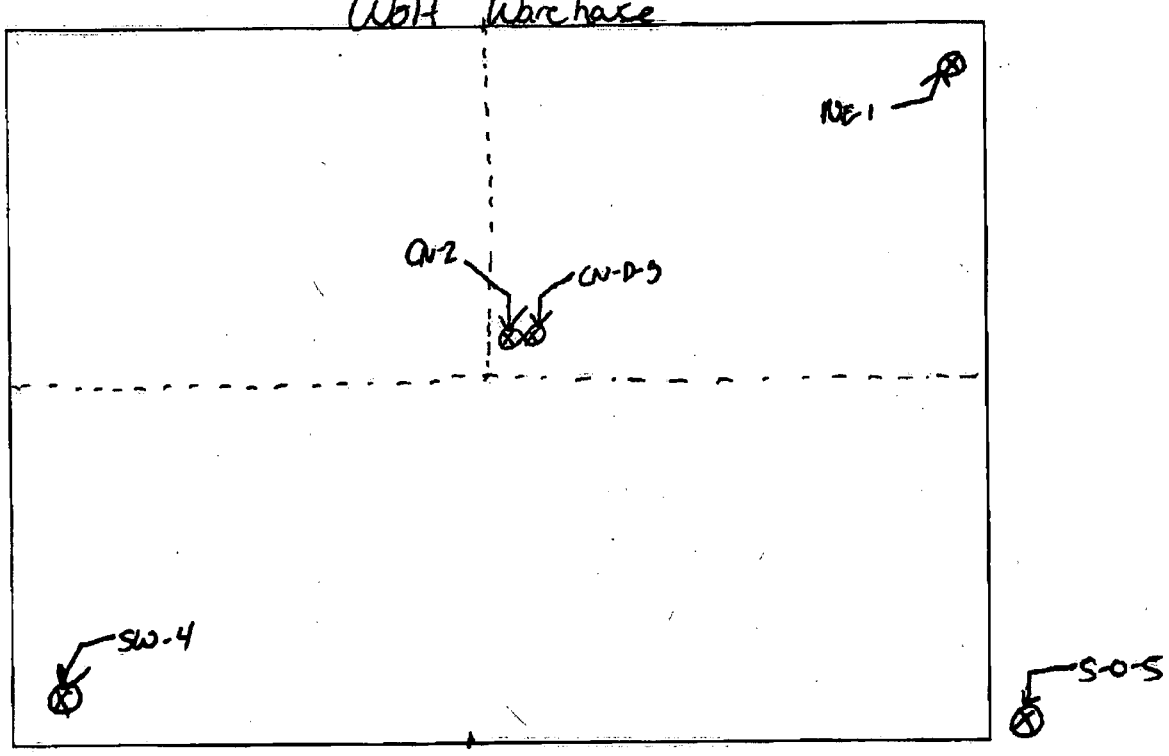
Field ID # ____ - NE-1 Field ID # ____ - CN-2 / CN-D-3

Field ID # ____ - SW-4 Field ID # ____ - S-O-S

Were "Instructions for Occupants" followed? (Yes) No

If not, describe modifications: _____

Provide Drawing of Sample Location(s) in Building



Part VII - Meteorological Conditions

Was there significant precipitation within 12 hours prior to (or during) the sampling event? (Yes) / No

Describe the general weather conditions: Overcast, light SW wind

Part VIII – General Observations

Provide any information that may be pertinent to the sampling event and may assist in the data interpretation process.

Construction activities adjacent to building: concrete paving, grading, railroad construction,

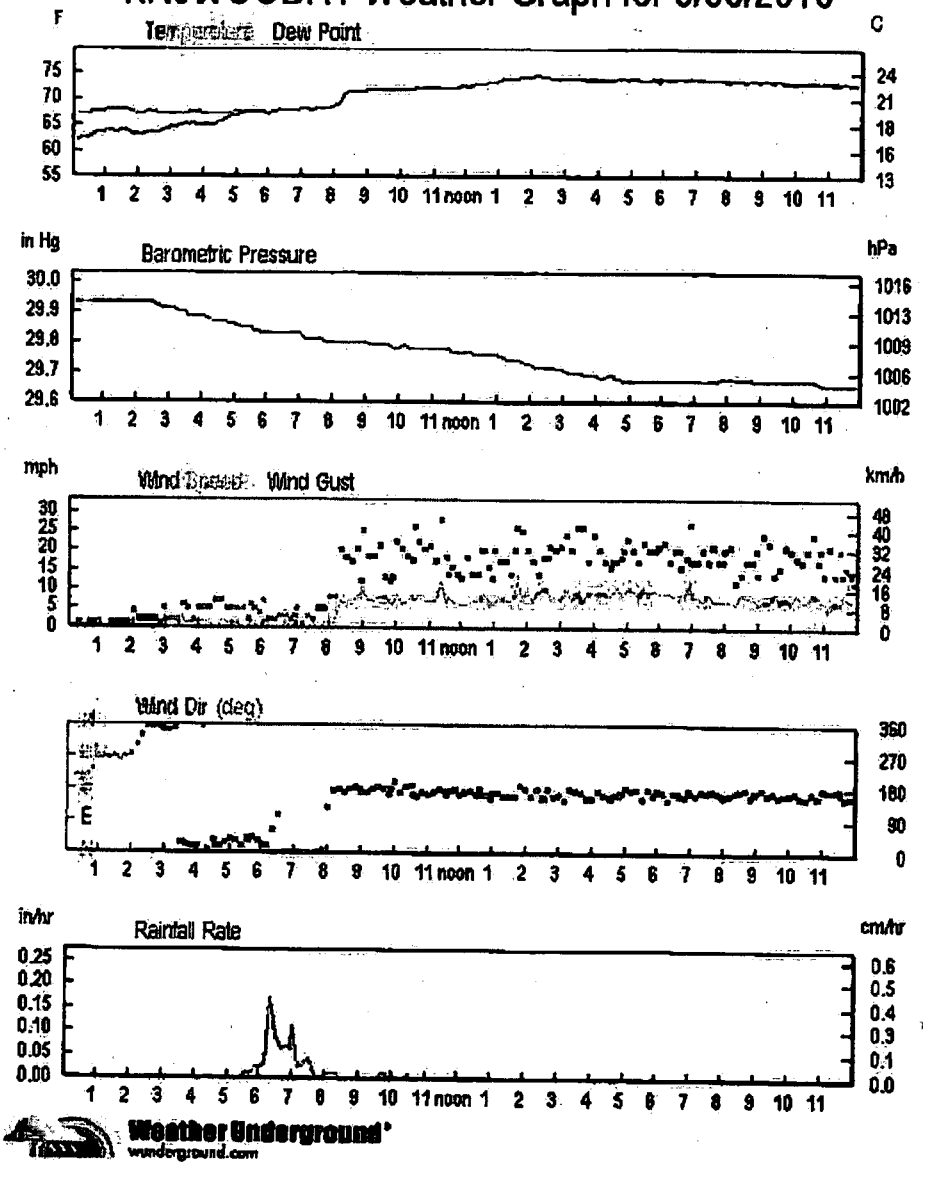
(NJDEP 1997; NHDES 1998; VDOH 1993; MassDEP 2002; NYSDOH 2005; CalEPA 2005)

Appendix B – Meteorological Data

Group Report : Ventron/V

Date & Time	WS	WD	TEMP	RH	BP
	mph	°	°F	%	in Hg
9/29/2010 12:00 PM	2.7	239.3	77.7	46.8	29.97
9/29/2010 1:00 PM	3.5	266.7	79.6	44.7	29.96
9/29/2010 2:00 PM	4.6	264.7	77.5	49.4	29.96
9/29/2010 3:00 PM	3.6	262.4	80.3	46.6	29.95
9/29/2010 4:00 PM	4.1	273.3	77.4	49.2	29.94
9/29/2010 5:00 PM	3.5	274.1	76	51.1	29.94
9/29/2010 6:00 PM	2.2	286.9	74.8	52.9	29.95
9/29/2010 7:00 PM	2	249.2	73	58.8	29.96
9/29/2010 8:00 PM	1.5	253.2	69.8	70.6	29.98
9/29/2010 9:00 PM	0.6	256.6	68.8	73.7	29.98
9/29/2010 10:00 PM	0.6	267.7	69.1	76.7	29.97
9/29/2010 11:00 PM	0.6	280.8	68.4	78.2	29.96
9/29/2010 24:00 AM	0.6	287.3	68	81.7	29.96
9/30/2010 1:00 AM	0.7	318.4	68.8	78.8	29.96
9/30/2010 2:00 AM	1.3	334.8	69.4	78	29.95
9/30/2010 3:00 AM	1.9	342.4	69.5	78.2	29.94
9/30/2010 4:00 AM	1.9	332.5	69.3	81.5	29.92
9/30/2010 5:00 AM	2.1	338.9	69.1	83.6	29.89
9/30/2010 6:00 AM	2.8	14.9	69	90.5	29.86
9/30/2010 7:00 AM	2.4	349.5	69.6	93.5	29.85
9/30/2010 8:00 AM	2.6	330.6	70.1	93.7	29.83
9/30/2010 9:00 AM	11.2	180.7	73.5	91.8	29.82
9/30/2010 10:00 AM	13.7	180.3	74.4	90.3	29.81
9/30/2010 11:00 AM	14.1	181.3	74.2	91.1	29.8
9/30/2010 12:00 PM	13.9	181.1	74.8	89.6	29.8
9/30/2010 1:00 PM	14.9	176.4	75.6	86.9	29.78
Minimum	0.6	14.9	68	44.7	29.78
MinDate	9/29/2010 9:00 PM	9/30/2010 6:00 AM	9/29/2010 24:00 AM	9/29/2010 1:00 PM	9/30/2010 1:00 PM
Maximum	14.9	349.5	80.3	93.7	29.98
MaxDate	9/30/2010 1:00 PM	9/30/2010 7:00 AM	9/29/2010 3:00 PM	9/30/2010 8:00 AM	9/29/2010 8:00 PM
Avg	4.3	275.4	72.6	73.3	29.91
Num	26	26	26	26	26
Data [%]	100	100	100	100	100
STD	4.7	No Data	3.8	17.1	0

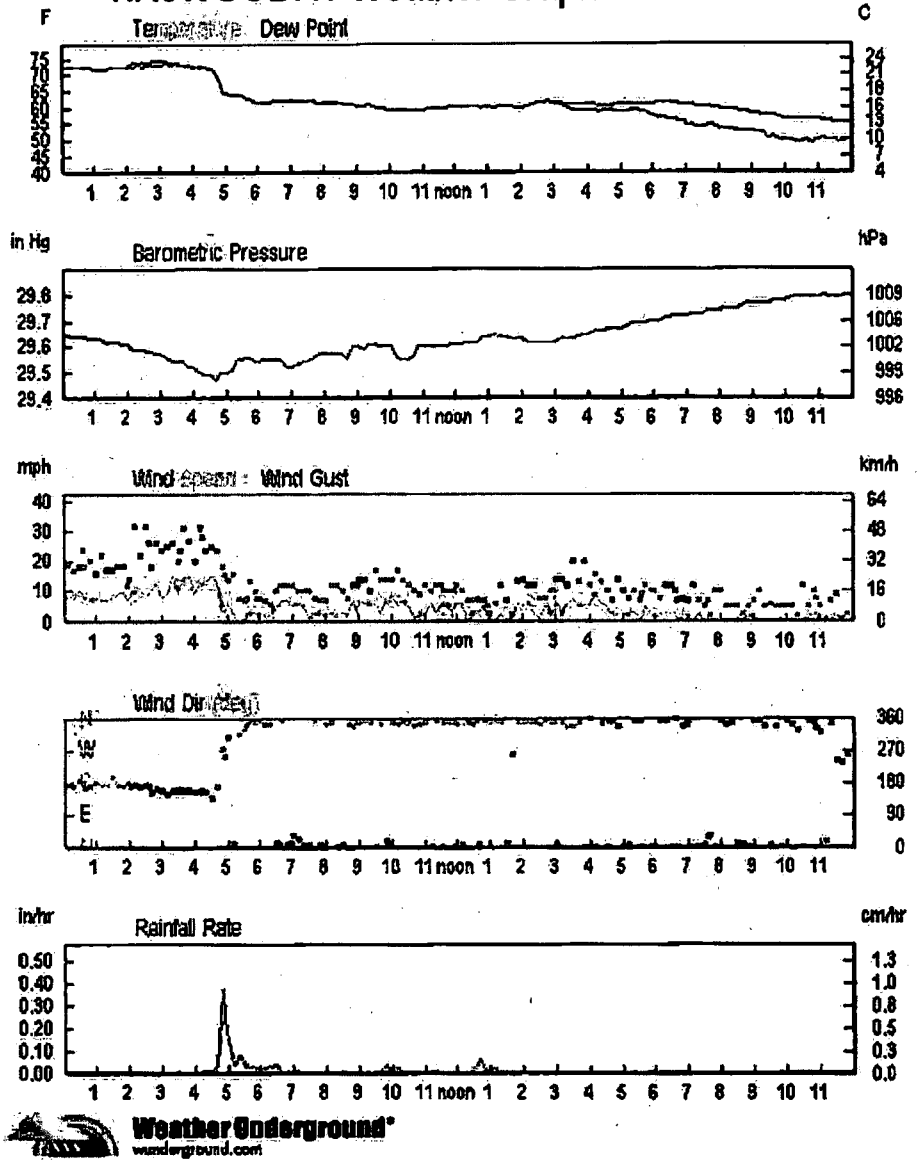
KNJWOODR1 Weather Graph for 9/30/2010



Tabular Data for September 30, 2010

Time	Temp.	Dew Point	Pressure	Wind	Wind Speed	Wind Gust	Humidity	Rainfall Rate (Hourly)	Conditions
00:00	67.5 °F	62.5 °F	29.93in	Calm		0.0mph	84%	0.00in	RA
00:10	67.5 °F	62.5 °F	29.93in	Calm		0.0mph	84%	0.00in	OVC
00:20	67.7 °F	62.7 °F	29.93in	Calm		1.0mph	84%	0.00in	OVC
00:30	67.7 °F	62.7 °F	29.93in	Calm		0.0mph	84%	0.00in	OVC
00:40	67.8 °F	63.4 °F	29.93in	Calm		1.0mph	86%	0.00in	OVC
00:50	68.0 °F	64.0 °F	29.93in	Calm		1.0mph	87%	0.00in	OVC
01:00	68.0 °F	64.0 °F	29.93in	Calm		0.0mph	87%	0.00in	OVC
01:05	68.2 °F	64.2 °F	29.93in	Calm		0.0mph	87%	0.00in	OVC

KNJWOODR1 Weather Graph for 10/1/2010



Tabular Data for October 1, 2010

Time	Temp.	Dew Point	Pressure	Wind	Wind Speed	Wind Gust	Humidity	Rainfall Rate (Hourly)	Conditions
00:00	73.1 °F	72.8 °F	29.66In	South	8.0mph	16.0mph	99%	0.00in	RA
00:05	73.1 °F	73.1 °F	29.65In	South	8.0mph	17.0mph	100%	0.00in	RA
00:10	73.1 °F	73.1 °F	29.65In	South	9.0mph	19.0mph	100%	0.00in	OVC
00:20	73.0 °F	73.0 °F	29.64In	South	8.0mph	17.0mph	100%	0.00in	OVC
00:30	73.0 °F	73.0 °F	29.64In	South	10.0mph	18.0mph	100%	0.00in	OVC
00:35	73.0 °F	73.0 °F	29.64In	South	9.0mph	24.0mph	100%	0.00in	OVC
00:40	73.0 °F	73.0 °F	29.64In	South	8.0mph	18.0mph	100%	0.00in	OVC
00:50	73.0 °F	73.0 °F	29.63In	South	7.0mph	20.0mph	100%	0.00in	OVC

Appendix C – Laboratory Sample Results

[redacted]

[redacted]	[redacted]	[redacted]	Estimated Sample Volume (Liters)	Estimated Blank Corrected Concentration (µg/m³)
1010026-01	NE-1	581.0 ng	7269	0.082
1010026-02	CN-2	689.0 ng	7838	0.090
1010026-03	CN-D-3	946.0 ng	7597	0.129
1010026-04	SW-4	637.0 ng	7928	0.084
1010026-05	S-O-5	261.0 ng	7300	0.040
1010026-06	FB-6	ND	NA	NA

[redacted]	[redacted]	[redacted]	Breakthrough % (FSTM B / FSTM A)
1010026-01	NE-1	17.1 ng	2.9%
1010026-02	CN-2	13.6 ng	2.0%
1010026-03	CN-D-3	36.3 ng	3.8%
1010026-04RE1	SW-4	28.4 ng	4.5%
1010026-05	S-O-5	27.7 ng	10.6%
1010026-06	FB-6	ND	NA

[redacted]

[redacted]	[redacted]
F010026-BLK1	0.73
F010026-BLK2	ND
F010026-BLK3	ND
[redacted]	[redacted]
[redacted]	0.34 ng
[redacted]	2.0 ng

[redacted]	[redacted]	[redacted]	SRM % Recovery	QA/QC Range
0/06801-ICV1	15.29	15.0	101.9%	80%-120%

[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	QA/QC Range	RPD
F010026-MS1	2022.0 ng	1434.5 ng	1600 ng	89.7%	[redacted]	
F010026-MSD1	2385.0 ng	1797.5 ng	1600 ng	112.3%	75% - 125%	16.47%

[illegible]

[illegible]	[illegible]	[illegible]	RPD	QA/QC Range
F010026-DUP1	593.6 ng	591.4 ng	2.1%	< 25%

[illegible]	[illegible]	[illegible]	% Recovery	QA/QC Range
F010026-BS1	98.8	100 ng	98.8%	75% - 125%
F010026-BSD1	109.0	100 ng	109.0%	75% - 125%

[illegible]	[illegible]	QA/QC Acceptance
0J08001-CB1	0.01	< 0.5
0J08001-CCB1	-0.01	< 0.5
0J08001-CCB2	-0.02	< 0.5
0J08001-CCB3	0.02	< 0.5
0J08001-CCB4	-0.01	< 0.5
0J08001-CCB5	0.007	< 0.5
0J08001-CCB6	0.009	< 0.5

[redacted]

[redacted]	[redacted]	[redacted]	% Rec.	QA/QC Acceptance
0J08001-CCV1	20.4	20.0 ng/L	102.1%	80% - 120%
0J08001-CCV2	19.4	20.0 ng/L	97.1%	80% - 120%
0J08001-CCV3	19.6	20.0 ng/L	98.1%	80% - 120%
0J08001-CCV4	21.6	20.0 ng/L	108.1%	80% - 120%
0J08001-CCV5	20.7	20.0 ng/L	103.4%	80% - 120%
0J08001-CCV6	17.8	20.0 ng/L	88.9%	80% - 120%

Appendix D – Field Sampling Data and Calculations

Ventron/Velsicol Superfund Site OU-1
Wood-Ridge/Carlstadt, New Jersey
Wolf Warehouse Air Sampling
Field Data Calculations from September 29 - 30, 2010 Sampling Event

	Date	Start Time	Date	End Time	Time (Min)	Start Flow	Flow-2	Flow-3	End Flow	Average Flow (lpm)	Sample Volume
NE-1	9/29/2010	12:08	9/30/2010	12:18	1450	5.025	5.082	4.963	4.983	5.013	7269.1
CN-2	9/29/2010	12:17	9/30/2010	12:28	1451	5.427	5.490	5.342	5.349	5.402	7838.1
CN-D-3	9/29/2010	12:17	9/30/2010	12:28	1451	5.254	5.313	5.193	5.181	5.235	7596.7
SW-4	9/29/2010	12:25	9/30/2010	12:34	1449	5.417	5.474	5.477	5.518	5.471	7928.2
S-O-5	9/29/2010	12:33	9/30/2010	12:38	1445	5.227	5.286	4.755	4.939	5.052	7299.5
Field Blank	9/29/2010		9/30/2010								

	Date	Start Time	Date	End Time	Time (Min)	Temp	Temp2	Temp3	End-Temp	Avg-Temp	
NE-1	9/29/2010	12:08	9/30/2010	12:18	1450	77.9	79.7	72.5	75.6	76.4	
CN-2	9/29/2010	12:17	9/30/2010	12:28	1451	75.6	73.9	73.9	76.1	74.9	
CN-D-3	9/29/2010	12:17	9/30/2010	12:28	1451	75.6	73.9	73.9	76.1	74.9	
SW-4	9/29/2010	12:25	9/30/2010	12:34	1449	76.3	74.8	74.8	75.6	75.4	
S-O-5	9/29/2010	12:33	9/30/2010	12:38	1445	80.7	74.5	74.5	76	76.4	
Field Blank	9/29/2010		9/30/2010								

	Date	Start Time	Date	End Time	Time (Min)	RH	RH2	RH3	End-RH	Avg-RH	
NE-1	9/29/2010	12:08	9/30/2010	12:18	1450	53.7	52.3	82.4	90.3	69.7	
CN-2	9/29/2010	12:17	9/30/2010	12:28	1451	58.4	55.6	75.2	82.8	68.0	
CN-D-3	9/29/2010	12:17	9/30/2010	12:28	1451	58.4	55.6	75.2	82.8	68.0	
SW-4	9/29/2010	12:25	9/30/2010	12:34	1449	59.7	53.6	79.9	85.6	69.7	
S-O-5	9/29/2010	12:33	9/30/2010	12:38	1445	41.8	47.2	89.7	86.2	66.2	
Field Blank	9/29/2010		9/30/2010								

Barometric Pressure Readings:						29.97	29.94	29.82	29.78	29.88	

Attachment 6 – Results of Soil Sampling along the Norfolk Southern Railroad

CLIENT DATA SUMMARY

Lot #: C0I030651

Parsons Corporation
Rohm&Haas, VV, OU1
Project: 442931

Date Reported: 9/13/10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Client Sample ID: 20100901P-RRSB-1V1.0-1.5N						
Sample #: 001 Date Sampled: 09/01/10 09:00 Date Received: 09/03/10 Matrix: SO						
MERCURY IN SOLID WASTE (MANUAL COLD-VAPOR)						
Mercury	**73.9**	**3.7**	**mg/kg**	**SW846 7471A**	**09/09/10**	**0252031**
Results and reporting limits have been adjusted for dry weight.						
TOTAL RESIDUE AS PERCENT SOLIDS						
Percent Solids	**88.9**	**1.0**	**%**	**SM20 2540G**	**09/05-09/06/10**	**0248010**
Client Sample ID: 20100901P-RRSB-1V5.5-6.0N						
Sample #: 002 Date Sampled: 09/01/10 09:00 Date Received: 09/03/10 Matrix: SO						
MERCURY IN SOLID WASTE (MANUAL COLD-VAPOR)						
Mercury	**4.5**	**0.20**	**mg/kg**	**SW846 7471A**	**09/09/10**	**0252031**
Results and reporting limits have been adjusted for dry weight.						
TOTAL RESIDUE AS PERCENT SOLIDS						
Percent Solids	**84.1**	**1.0**	**%**	**SM20 2540G**	**09/05-09/06/10**	**0248010**
Client Sample ID: 20100901P-RRSB-2V1.0-1.5N						
Sample #: 003 Date Sampled: 09/01/10 09:30 Date Received: 09/03/10 Matrix: SO						
MERCURY IN SOLID WASTE (MANUAL COLD-VAPOR)						
Mercury	**1260**	**38.8**	**mg/kg**	**SW846 7471A**	**09/09/10**	**0252031**
Results and reporting limits have been adjusted for dry weight.						
TOTAL RESIDUE AS PERCENT SOLIDS						
Percent Solids	**85.0**	**1.0**	**%**	**SM20 2540G**	**09/05-09/06/10**	**0248010**
Client Sample ID: 20100901P-RRSB-2V5.5-6.0N						
Sample #: 004 Date Sampled: 09/01/10 09:30 Date Received: 09/03/10 Matrix: SO						
MERCURY IN SOLID WASTE (MANUAL COLD-VAPOR)						
Mercury	**1010**	**42.7**	**mg/kg**	**SW846 7471A**	**09/09/10**	**0252031**
Results and reporting limits have been adjusted for dry weight.						

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CLIENT DATA SUMMARY

Parsons Corporation
Rohm&Haas, VV, OU1
Project: 442931

Lot #: C0I030651 **Date Reported:** 9/13/10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Client Sample ID: 20100901P-RRSB-2V5.5-6.0N						
Sample #: 004 Date Sampled: 09/01/10 09:30 Date Received: 09/03/10 Matrix: SO						
Total Residue as Percent Solids						
TOTAL RESIDUE AS PERCENT SOLIDS						
Percent Solids	**77.4**	**1.0**	**%**	**SM20 2540G**	**09/05-09/06/10**	**0248010**
Client Sample ID: 20100901P-RRSB-3V1.0-1.5N						
Sample #: 005 Date Sampled: 09/01/10 12:00 Date Received: 09/03/10 Matrix: SO						
MERCURY IN SOLID WASTE (MANUAL COLD-VAPOR)						
Mercury	**470**	**37.4**	**mg/kg**	**SW846 7471A**	**09/09/10**	**0252031**
Results and reporting limits have been adjusted for dry weight.						
TOTAL RESIDUE AS PERCENT SOLIDS						
Percent Solids	**88.3**	**1.0**	**%**	**SM20 2540G**	**09/05-09/06/10**	**0248010**
Client Sample ID: 20100901P-RRSB-3V5.5-6.0N						
Sample #: 006 Date Sampled: 09/01/10 12:00 Date Received: 09/03/10 Matrix: SO						
MERCURY IN SOLID WASTE (MANUAL COLD-VAPOR)						
Mercury	**451**	**44.9**	**mg/kg**	**SW846 7471A**	**09/09/10**	**0252031**
Results and reporting limits have been adjusted for dry weight.						
TOTAL RESIDUE AS PERCENT SOLIDS						
Percent Solids	**73.5**	**1.0**	**%**	**SM20 2540G**	**09/05-09/06/10**	**0248010**
Client Sample ID: 20100901P-RRSB-4V1.0-1.5N						
Sample #: 007 Date Sampled: 09/01/10 12:30 Date Received: 09/03/10 Matrix: SO						
MERCURY IN SOLID WASTE (MANUAL COLD-VAPOR)						
Mercury	**423**	**36.7**	**mg/kg**	**SW846 7471A**	**09/09/10**	**0252031**
Results and reporting limits have been adjusted for dry weight.						
TOTAL RESIDUE AS PERCENT SOLIDS						
Percent Solids	**89.9**	**1.0**	**%**	**SM20 2540G**	**09/05-09/06/10**	**0248010**

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CLIENT DATA SUMMARY

Parsons Corporation
Rohm&Haas, VV, OU1
Project: 442931

Lot #: C0I030651 **Date Reported:** 9/13/10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Client Sample ID: 20100901P-RRSB-4V5.5-6.0N						
Sample #: 008 Date Sampled: 09/01/10 12:30 Date Received: 09/03/10 Matrix: SO						
MERCURY IN SOLID WASTE (MANUAL COLD-VAPOR)						
Mercury	**71.2**	**4.3**	**mg/kg**	**SW846 7471A**	**09/09/10**	**0252031**
Results and reporting limits have been adjusted for dry weight.						
TOTAL RESIDUE AS PERCENT SOLIDS						
Percent Solids	**76.1**	**1.0**	**%**	**SM20 2540G**	**09/05-09/06/10**	**0248010**
Client Sample ID: 20100901P-RRSB-5V1.0-1.5N						
Sample #: 009 Date Sampled: 09/01/10 13:15 Date Received: 09/03/10 Matrix: SO						
MERCURY IN SOLID WASTE (MANUAL COLD-VAPOR)						
Mercury	**29.0**	**3.6**	**mg/kg**	**SW846 7471A**	**09/09/10**	**0252031**
Results and reporting limits have been adjusted for dry weight.						
TOTAL RESIDUE AS PERCENT SOLIDS						
Percent Solids	**91.3**	**1.0**	**%**	**SM20 2540G**	**09/05-09/06/10**	**0248010**
Client Sample ID: 20100901P-RRSB-5V5.5-6.0N						
Sample #: 010 Date Sampled: 09/01/10 13:15 Date Received: 09/03/10 Matrix: SO						
MERCURY IN SOLID WASTE (MANUAL COLD-VAPOR)						
Mercury	**10.6**	**0.22**	**mg/kg**	**SW846 7471A**	**09/09/10**	**0252031**
Results and reporting limits have been adjusted for dry weight.						
TOTAL RESIDUE AS PERCENT SOLIDS						
Percent Solids	**73.8**	**1.0**	**%**	**SM20 2540G**	**09/05-09/06/10**	**0248010**
Client Sample ID: 20100901P-RRSB-6V1.0-1.5N						
Sample #: 011 Date Sampled: 09/01/10 15:00 Date Received: 09/03/10 Matrix: SO						
MERCURY IN SOLID WASTE (MANUAL COLD-VAPOR)						
Mercury	**172**	**9.7**	**mg/kg**	**SW846 7471A**	**09/09/10**	**0252031**
Results and reporting limits have been adjusted for dry weight.						

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CLIENT DATA SUMMARY

Parsons Corporation
Rohm&Haas, VV, OU1
Project: 442931

Lot #: C0I030651 **Date Reported:** 9/13/10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Client Sample ID: 20100901P-RRSB-6V1.0-1.5N						
Sample #: 011 Date Sampled: 09/01/10 15:00 Date Received: 09/03/10 Matrix: SO						
Total Residue as Percent Solids						
TOTAL RESIDUE AS PERCENT SOLIDS						
Percent Solids	**85.1**	**1.0**	**%**	**SM20 2540G**	**09/05-09/06/10**	**0248010**
Client Sample ID: 20100901P-RRSB-6V5.5-6.0N						
Sample #: 012 Date Sampled: 09/01/10 15:00 Date Received: 09/03/10 Matrix: SO						
MERCURY IN SOLID WASTE (MANUAL COLD-VAPOR)						
Mercury	**0.39**	**0.041**	**mg/kg**	**SW846 7471A**	**09/09/10**	**0252031**
Results and reporting limits have been adjusted for dry weight.						
TOTAL RESIDUE AS PERCENT SOLIDS						
Percent Solids	**81.3**	**1.0**	**%**	**SM20 2540G**	**09/05-09/06/10**	**0248010**
Client Sample ID: 20100901P-RRSB-7V1.0-1.5N						
Sample #: 013 Date Sampled: 09/01/10 15:30 Date Received: 09/03/10 Matrix: SO						
MERCURY IN SOLID WASTE (MANUAL COLD-VAPOR)						
Mercury	**365**	**39.5**	**mg/kg**	**SW846 7471A**	**09/09/10**	**0252031**
Results and reporting limits have been adjusted for dry weight.						
TOTAL RESIDUE AS PERCENT SOLIDS						
Percent Solids	**83.6**	**1.0**	**%**	**SM20 2540G**	**09/05-09/06/10**	**0248010**
Client Sample ID: 20100901P-RRSB-7V5.5-6.0N						
Sample #: 014 Date Sampled: 09/01/10 15:30 Date Received: 09/03/10 Matrix: SO						
MERCURY IN SOLID WASTE (MANUAL COLD-VAPOR)						
Mercury	**0.17**	**0.040**	**mg/kg**	**SW846 7471A**	**09/09/10**	**0252031**
Results and reporting limits have been adjusted for dry weight.						
TOTAL RESIDUE AS PERCENT SOLIDS						
Percent Solids	**83.1**	**1.0**	**%**	**SM20 2540G**	**09/05-09/06/10**	**0248010**

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CLIENT DATA SUMMARY

Parsons Corporation
Rohm&Haas, VV, OU1
Project: 442931

Lot #: C0I030651 **Date Reported:** 9/13/10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Client Sample ID: 20100901-DIRINSATE						
Sample #: 015 Date Sampled: 09/01/10 17:15 Date Received: 09/03/10 Matrix: WQ						
MERCURY IN LIQUID WASTE (MANUAL COLD-VAPOR)						
Mercury	**0.24**	**0.20**	**ug/L**	**SW846 7470A**	**09/08/10**	**0251023**
Client Sample ID: 20100901-RRSB-5V1.0-1.5D						
Sample #: 016 Date Sampled: 09/01/10 13:15 Date Received: 09/03/10 Matrix: SO						
MERCURY IN SOLID WASTE (MANUAL COLD-VAPOR)						
Mercury	**21.7**	**0.90**	**mg/kg**	**SW846 7471A**	**09/09/10**	**0252031**
Results and reporting limits have been adjusted for dry weight.						
TOTAL RESIDUE AS PERCENT SOLIDS						
Percent Solids	**92.1**	**1.0**	**%**	**SM20 2540G**	**09/05-09/06/10**	**0248010**